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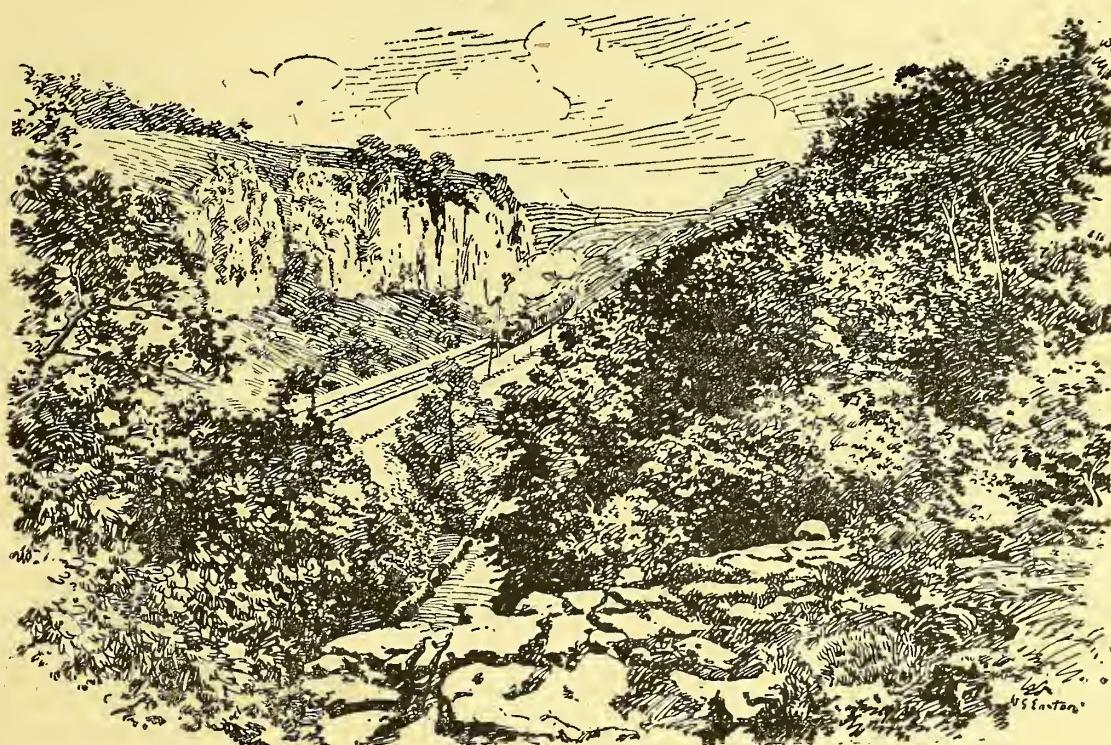
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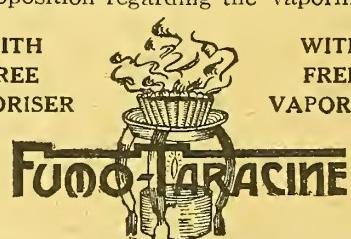
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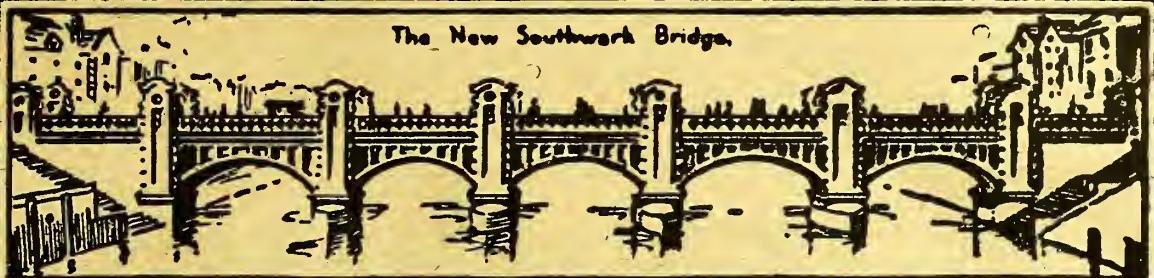


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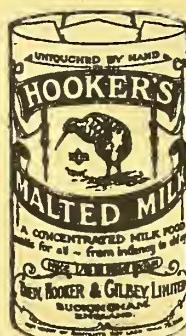
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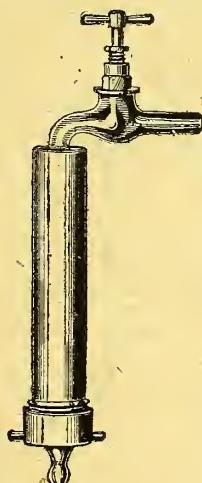
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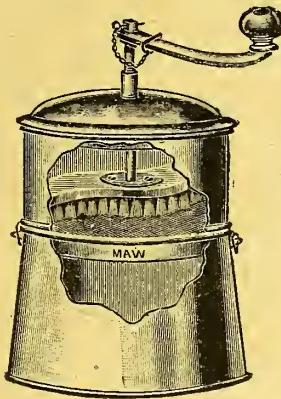
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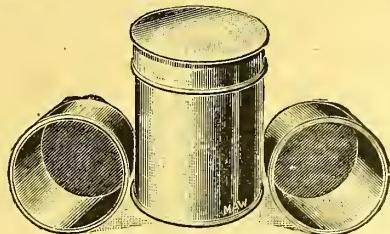
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MIXERS & SIFTERS.



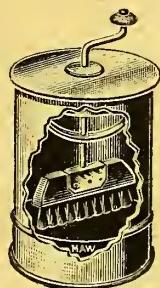
B2240/R.

Sifter, with Brush and Sieve complete.
3 lb. 15/6 each. 7 lb. 20/- each.



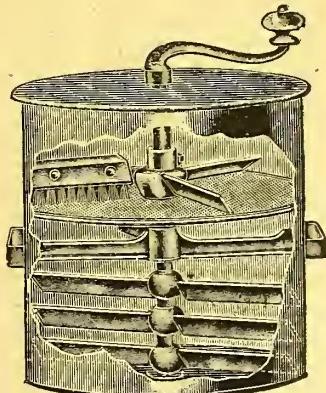
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5½ in. × 4 in. with one each coarse medium
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6 in. × 4½ in., with coarse, medium and fine sieves.
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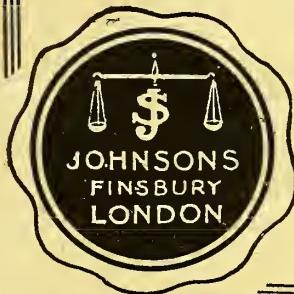
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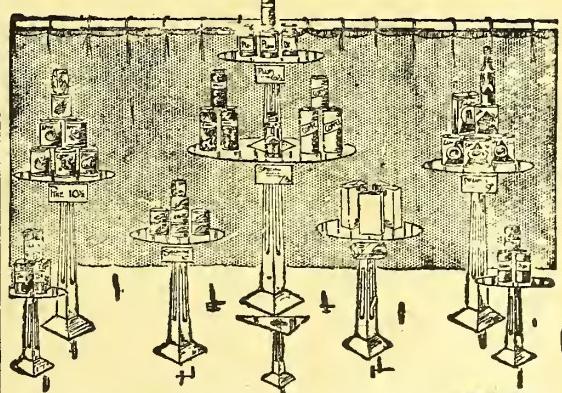
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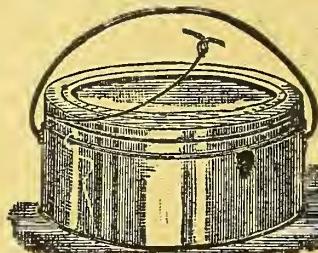
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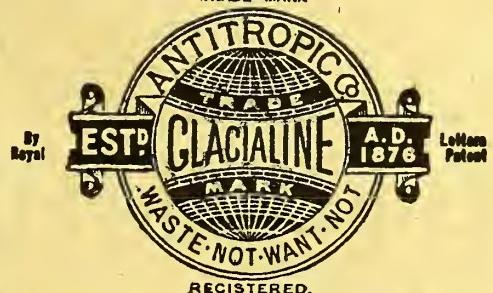
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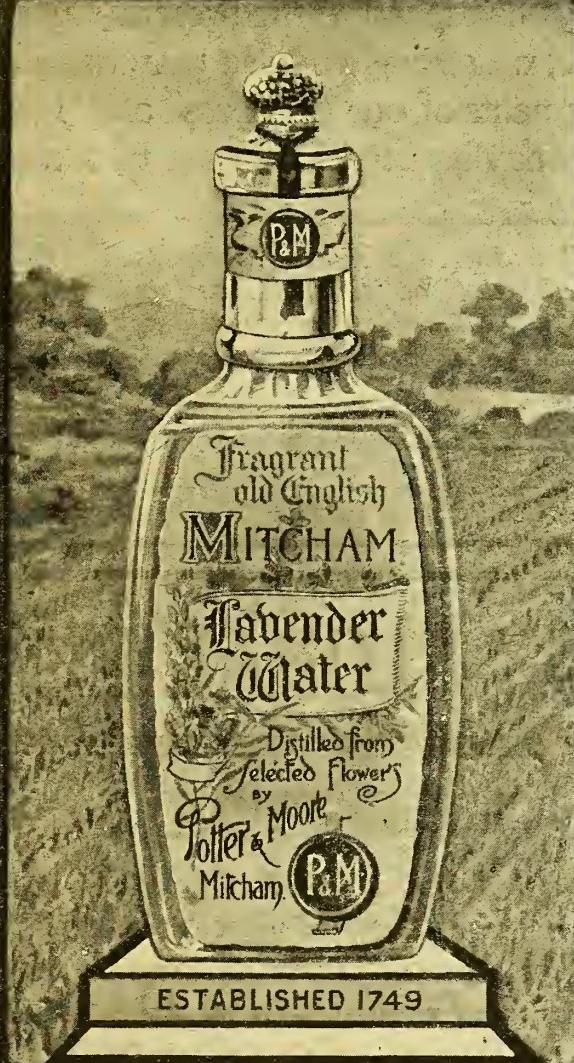
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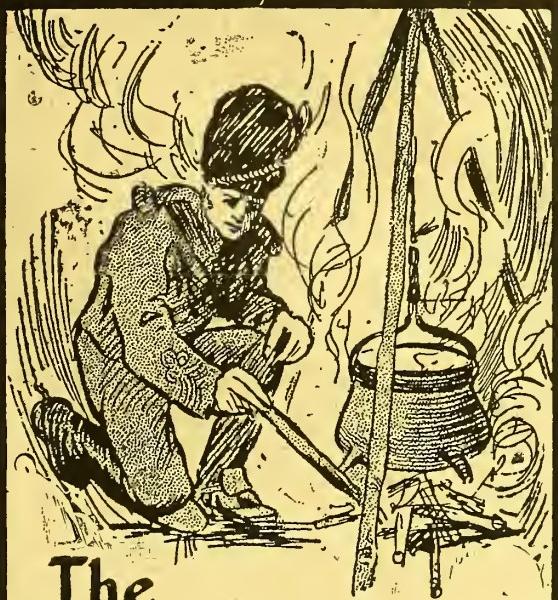
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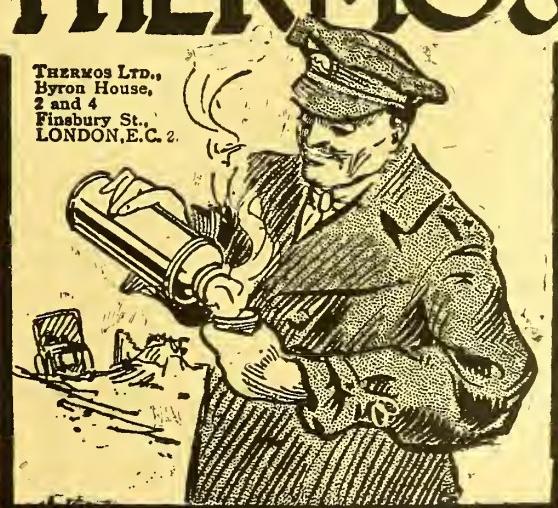


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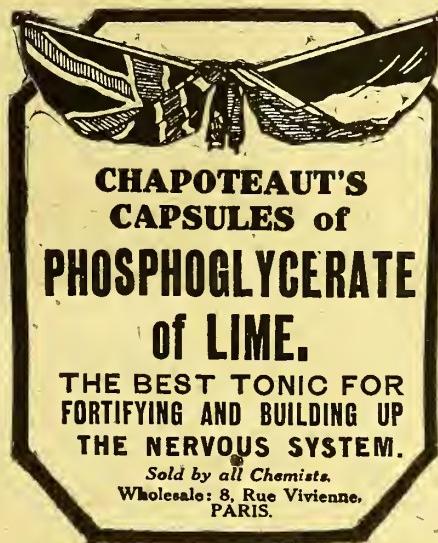
Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

Manufactured by

Venesta Ltd.
1. Great Tower St. E.C.
London
England

**LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.**

LONDON AGENTS :
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.



MORRHUOL CHAPOTEAUT



CAPSULES

MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste. It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

SOLD BY ALL DRUGGISTS.

**CHANDRON'S
DROPS**

(Gouttes des Colonies)

A harmless antiseptic preventative against CHOLERA - FERMENTATION - INDIGESTION & other intestinal disturbances.
SOLD BY ALL CHEMISTS

I find the odour exquisite and will be pleased to have installed by my Name. Very sincerely
Mary Garden

**PARFUM
MARY GARDEN
RIGAUD
PARFUMEUR
16, RUE DE LA PAIX,
PARIS.**

LONDON AGENTS
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THE WORLD'S KEENEST BUYERS

and Business men know the value and importance of stocking an article appealing especially to Woman, the great spending factor of this country.

The EVAN WILLIAMS' ORIGINAL HENNA SHAMPOO, through the perfection of its manufacture, is recognised as the standard of Henna quality. It is to be found in every successful establishment because it unfailingly attracts the best class of buyer wherever it is shown.

Our large Advertising Campaign is now in full swing. This has been so arranged to create a demand for our Retailers, and it will pay you to secure your stock without delay. Remember, EVAN WILLIAMS' HENNA SHAMPOO is a proposition which sells itself wherever shown.



Write TO-DAY for full particulars of our Special Discount Offer.

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PURE SPANISH ESSENTIAL OILS

SPECIAL OFFER—"LONABARC" OIL OF PENNYROYAL, 6/9 LB. D/D.
THYMOL CRYSTALS BI-IODIDE OF THYME (ARISTOL).

ROSEMARY, SPIKE LAVENDER, GERANIUM

SAGE AND RED THYME OILS.

ANISEED · CUMIN SEED · QUINCE SEED · GENTIAN ROOT
ACONITE ROOT · MARSHMALLOW ROOT · ERGOT OF RYE, Etc.

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We guarantee a perfect edge on ANY blade, ANY make.
Trade Terms—6d. PER DOZEN net. MONTHLY A/cs rendered.

Blades returned, post free, same day as received.

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SAMUEL HILL, Ltd.

Hunters Lane, ROCHDALE.
Manufacturers for all purposes.
COTTON, WOOLLEN and LINEN.

**SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF NEW SEASON'S MAKE.**

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

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Telegraphic Address: "JOB LIVERPOOL."

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And of ST. JOHN'S, N.F.

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*The Standard
Disinfectant—
always reliable.
Specially suit-
able for Doctors,
Nurses, etc.*

*Free sample sent to your Pro-
fessional clients on request.*



In 4 oz., 8 oz.,
16 oz. & 32 oz.
bottles, also $\frac{1}{2}$ gall.
and 1 gallon tins.
Well advertised to
the Medical and
Nursing Profession

*Also known as "EVANSOL,"
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EVANS SONS LESCHER & WEBB LIMITED
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Important to the Trade

Pomeroy
Skin Food
can be
obtained
as before—
there never
has been any
real
difficulty.

Several letters—accompanied by orders—have been received from ladies who state they were informed by their Chemists that Pomeroy Skin Food was not now obtainable.

We do not know how this impression has got abroad, but it is quite erroneous.

Pomeroy Skin Food and most other Pomeroy preparations can be obtained from Sundries Houses and direct, as before. Any trifling delay—and when it occurs it is trifling—can be put down to the vastly increased demand and the extra time taken nowadays in transit.

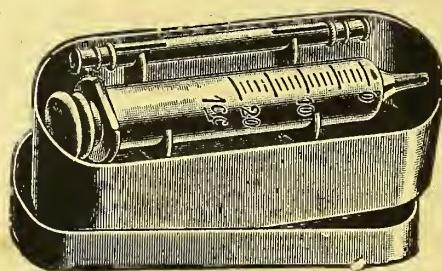
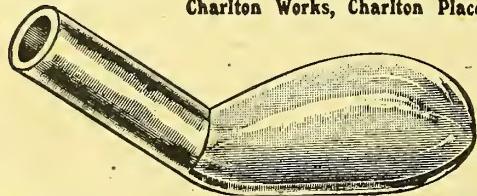
Mrs. POMEROY LTD.,
115 Harwood Rd., Walham Green
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We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles. Send us your inquiries and ask for our Stock List.

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Charlton Works, Charlton Place, ISLINGTON,
LONDON, N.

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Proprietor:
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Telegrams: "Assorted, Nordo, London." Telephones: North 1544-5.

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ACTUAL MANUFACTURER OF

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FOR ALL ART AND MEDICAL PURPOSES.

Throat, Nose and Ear Brushes a Speciality.

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TELEPHONE: CITY 362.



Profits on Proprietaries

The Editor of the "Chemist and Druggist" indicates the practical solution of this problem in the following words :—

"Every pharmacist could follow Mr. Jackson's suggestion of separating the sheep from the goats. Many proprietaries are very profitable and popular; let chemists devote their time to pushing the sale of these."—C. & D., Jan. 26, 1918.

The minimum protected profit on all P., D. & Co.'s goods is $33\frac{1}{3}$ per cent. on outlay, or 25 per cent. on takings, and many of their popular specialities yield much more, and have done so for years.

NOW is also the time to BUY the following popular and profitable British-made preparations :—

Analgesic Balm

An effective counter-irritant, with decided analgesic properties, for the bites and stings of insects.

Collapsible Tubes
M.R.P. 1/6

Hydrated Magnesia

An efficient antacid. Each fluid ounce contains 32 grains of magnesium hydrate in a stable form.

8 and 16 fl. oz. bots.
M.R.P. 1/6 & 2/6

Hydrogen Peroxide Solution, P., D. & Co.

Unsurpassed purity and stability. The label increases the demand by indicating many uses. Leaflets on request.

4, 8 and 16 fl. oz. bots.
M.R.P. 1/3, 1/9, 2/8

Rennin Tablets

A convenient, economical and reliable preparation for making junket or curds and whey. One to three pints

Bots. of 20 and 40.
M.R.P. 7½d. and 1/-

Tarfoam

An antiseptic and refreshing liquid shampoo for the hair, hands, bath, &c. Economical in use.

Sprinkler bots.
M.R.P. 2/6

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Approved by the War Office for purifying water and rendering it not only fit, but pleasant to drink.

Vest-pocket vials of 50.
M.R.P. 1/6

All the above bear the usual P., D. profit.

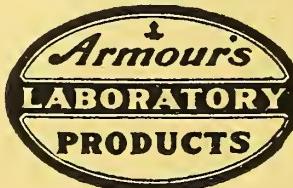
Write for special terms, &c., to :—

PARKE, DAVIS & CO.

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Laboratories - Hounslow, Middlesex

SPECIFY *Armour's*



RENNASE

A Milk Curdling Ferment recommended as equal to Standard Rennet.

FOR CHEESE MAKING.

PRICE LIST.

8 oz. bottles	....	....	....	per doz.	45/-
16 oz. "	....	....	....	"	84/-
Quart "	....	....	....	each	14/-
$\frac{1}{2}$ gall.	"	....	....	"	22/-
1 gall.	"	....	....	"	40/-

F.O.R. LONDON.

The following letter is from one of the largest Cheese Makers in the United Kingdom respecting the use of Rennase:

"I set the curd at 86° F., and treated it in exactly the same way as any other barrel of Cheese. The milk coagulated in the usual time—about 1 hour. I added the Rennase to the milk in the proportion of 5 oz. to 100 gallons, and it made a nice firm curd, splitting cleanly over the finger, and when cut and stirred the whey soon settled. When ready for grinding the curd had a very nice texture, a clean acid smell, and drew threads $\frac{3}{4}$ -in. on the hot iron."

"We shall be glad to receive the quantity of Rennase ordered to-day, so that we can continue using it."

Directions for use on each package.

ARMOUR AND COMPANY
 QUEEN'S HOUSE, KINGSWAY.
LIMITED



LONDON, W.C.2.



The Genuine

A Chinese Imitation

designed to deceive
customers for

'KEPLER'

(TRADE MARK)

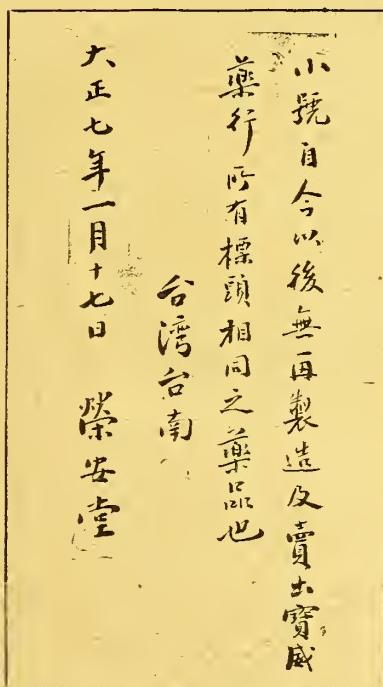
Cod Liver Oil with Malt Extract



The Imitation

The genuine packing is closely copied—the colour and pattern of the bottle, with raised wording on the shoulder, and a metal cap. The colour and printing of the label and the carton, are almost facsimile—see illustrations which show the fronts of the cartons.

Proceedings secure an Undertaking



TRANSLATION OF THE UNDERTAKING FROM
THE ENG AN TONG DISPENSARY, FORMOSA.

We will not in future manufacture or sell any products bearing trade marks similar to Burroughs Wellcome & Co.'s preparations.

17th day, 1st moon,
7th year Ta Chin

(Sgd.) ENG AN TONG

Tainan,

Formosa

We prosecute offenders rigorously, in the interest of prescribers, dispensers, patients and ourselves.



BURROUGHS WELLCOME & CO.

LONDON

WARRICK BROTHERS, LIMITED

CHOCELLÆ.

PULVELLÆ.

FLEXOIDS.

FLEXETTES.

FIZZZLETS. (Suspended)

REFRESHLETS. (Suspended)

EXTRAITS AUX FLEURS.

ESSENTIAL OILS.

POMADES (FLORAL).

ROSE WATER.

SACHETS.

PERFUMES.

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FRAGRETS. **NORETS.**

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PASTILLES.

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**WALMSLEY CLEANING
PADS.**

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COMPRESSED TABLETS.

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POT POURRI (CINET'S).

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CHAPIREAU'S CACHETS.

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THE " FLAG "
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Also Special Agents for

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Telephone : LONDON WALL 2452 (2 lines).

Telegrams: "WARRICKERS, HOX, LONDON."

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

SUBSCRIPTION RATES.

Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; *Diary*, 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., francs.

Подписная цена на скандинавский журнал с приложением Годового Дневника—12 шиллингов 6 пенсов на год с пересыпкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, francos.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: MELBOURNE AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, April 24.

County of Surrey Association of Pharmacists, 17 Bloomsbury Square, London, W.C., at 3.30 P.M. Discussion on "Face-values."

Manchester and Salford Chemists' Assistants' Association, Metro Café, St. Peter's Square, Manchester, at 8 P.M. Annual meeting.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Mr. J. G. Tringham on "Publicity."

Wills.

BAILIE WILLIAM INMAN, chemist and druggist, Sunnybrae, 11 Newcastle Terrace, Edinburgh, who died on December 20, has left personal property of the value of £5,164. 19s. 2d.

ALDERMAN HENRY JOHN TURNBULL, 1 The Oaks, Sunderland, wholesale druggist and jam manufacturer, who died on November 12, left estate of the gross value of £15,829. 5s. 10d., of which £5,270. 1s. 11d. is net personality.

MR. ALEXANDER MACOMB CHANCE, Walcot, Torquay, director of Chance & Hunt, Ltd., and the British Cyanides Co., Ltd., who died on November 22, left estate of the gross value of £45,557. 5s. 11d., of which £26,734. 5s. 5d. is net personality.

European War News.

Import and Export Notices.

SWITZERLAND.—The "Board of Trade Journal" (April 11) contains a list of articles of which licences for export to Switzerland are only granted if goods are consigned to the Société Suisse de Surveillance Economique (S.S.S.).

UNITED KINGDOM.—The "London Gazette" of April 12 announces (1) *That the following headings should be deleted from the list of prohibited exports:* (c) Balsams; (c) aloes; (c) areca or betel nuts; (c) arecoline; (b) benzoic acid (synthetic) and benzoates; (b) bromine and alkaline bromides; (c) buchu-leaves; (b) caffeine and its salts; (c) Calabar beans; (c) cantharides; (c) cascara sagrada and its preparations; (b) chloral and its compounds and preparations; (c) coca-leaves; (b) copper sulphate; (c) cubeb; (b) ergot of rye; (b) formic aldehyde; (c) halogen derivatives of aliphatic hydrocarbons (except carbon tetrachloride); (c) hydrastis canadensis and hydrastine; (c) iodine and its compounds and preparations; (c) jalap; (c) nux vomica and its preparations; (c) nux vomica alkaloids and their salts and preparations; (c) rhubarb (medicinal); (c) santonin and its preparations; (c) senega; (b) senna leaves and pods; (c) sodium sulphide; (c) squills; (b) tartaric acid, cream of tartar, and alkaline tartrates; (b) gum arabic; (A) gum damar; (A) gum tragacanth; (c) gums, not otherwise prohibited; (b) lacs, not including lac dye; (c) oil, blast-furnace; (b) oil, fish, not otherwise prohibited, and mixtures containing such oils; (A) oil, seal, and mixtures containing such oil; (A) oil, sea-elephant, and mixtures containing such oil; (A) oil, shark, and mixtures containing such oil; (A) oil, sperm, and mixtures containing such oil; (A) oil, whale, and mixtures containing such oil; (b) pepper; (A) resins, resinous substances (except such as contain caoutchouc), and articles containing resins and resinous substances; (b) shellac; (c) spices and mixtures thereof (except pepper); (b) surgical bandages and dressings (except cotton-wadding and cotton-wool). (2) *That the following headings should be added:* (A) Balsams; (A) aloes; (A) areca or betel nuts; (A) arecoline; (A) benzoic acid (synthetic) and benzoates; (A) bromine and alkaline bromides; (A) buchu-leaves; (A) caffeine and its salts; (A) Calabar beans; (A) cantharides; (A) cascara sagrada and its preparations; (A) cascarilla-bark; (A) chloral and its compounds and preparations; (A) chloroform; (A) coca-leaves and their preparations; (A) colocynth; (A) copper sulphate; (A) cubeb; (A) damiana; (A) ergot of rye; (A) formic aldehyde; (A) gelsemium-root; (A) grindelia; (c) halogen derivatives of aliphatic hydrocarbons (except carbon tetrachloride), chloroform, and iodoform; (A) hydrastis canadensis and hydrastin; (c) iodine and its compounds and preparations (except iodoform); (A) iodoform; (A) jalap; (A) male-fern rhizome; (B) nux vomica and its preparations; (B) nux vomica alkaloids and their preparations; (A) podophyllum-rhizome; (A) rhatany-root; (A) rhubarb (medicinal); (A) santonin and its preparations; (A) sassafras-root; (A) scammony-root; (A) seneca-root; (A) senna leaves and pods; (A) serpentaria-rhizome; (B) sodium sulphide; (A) squills; (A) strophantus-seeds; (A) tartaric acid, cream of tartar, and alkaline tartrates; (A) cobaltchrom and similar alloys; (A) gold, liquid, including gold paint, gold enamel, gilding solution, and all other pigments containing gold; (A) gums, not otherwise specifically prohibited; (A) lacs, not including lac dye; (A) oil, blast-furnace; (A) oils, fish, and articles, mixtures, and preparations containing such oils; (A) pepper; (A) resins, resinous gums and resinous substances (except such as contain caoutchouc), and articles containing them; (A) silkworm gut (surgical); (A) spices and mixtures thereof; (A) stellite and similar alloys; (A) surgical bandages and dressings.

Golden Syrup.

The importation of syrup having been prohibited by Proclamation of March 22, steps have been taken to place the supply of syrup under the control of the Royal Commission on the Sugar Supply. The Commission gives notice that on and after April 22 the wholesale price of all syrup for domestic use will be 60s. per cwt. when sold in bulk and 80s. per cwt. when sold in cases, without distinction of colour or gravity; but subject to regulations which will ensure a minimum specific gravity, below which syrup may not be issued or sold, and ensuring also an adequate freedom from impurities that might be prejudicial to health. The above wholesale prices will enable retailers to sell at 10d. per lb. in bulk, and at 1s. 9d. per case, where the case contains a full 2 lb., or at 1s. 8d. per case where the container holds (as is frequently necessary under existing conditions governing the supply of containers) no more than 1 lb. 14 oz. In localities in exceptionally unfavourable situations as regards carriage, an addition of ½d. per lb.

to the above prices may be legitimate; but authority to make such additions should in each case be previously obtained from the Royal Commission on the Sugar Supply.

Personalia.

PRIVATE WILLIAM TRATTLES, Durham Light Infantry, has been wounded on service. His apprenticeship in pharmacy was served with Mr. William Ruff, chemist and druggist, Whitby.

PRIVATE F. MCKELL, West Yorkshire Regiment, is reported wounded in action for the third time. Prior to joining up, Private McKell was an assistant with Taylor's Drug Co., Ltd., at Bradford.

SIGNALLER H. P. CLAYTON, Northumberland Fusiliers, has been wounded at the West Front. Till enlistment Signaller Clayton was an apprentice to King, Walshaw & Co., chemists, Huddersfield.

SECOND-LIEUTENANT H. H. BOOTHMAN, Cheshire Regiment, has been wounded on service. Second-Lieutenant Boothman enlisted, on the outbreak of war, from the staff of Brunner, Mond & Co., Ltd., Northwich.

SECOND-LIEUTENANT LAWRENCE WALTER BOXALL, Rifle Brigade, was wounded on March 25, and is in hospital in France. Second-Lieutenant Boxall is the youngest son of Mr. Fred Boxall, Hampton Hill.

PRIVATE MICHAEL WILLIAMS, Worcestershire Regiment, was "gassed" in action on March 17. Prior to joining the Army, Private Williams was with Mr. O. R. Windemer, Ph.C., Royal Parade, Harrogate.

CAPTAIN GEORGE ROBERTSON LIPP, M.C., R.A.M.C., is reported missing. Captain Lipp, who was awarded the Military Cross last year (*C. & D.*, 1917, p. 566), is the eldest son of Mr. George Lipp, chemist and druggist, Fochabers.

PRIVATE ROBERT ALEXANDER, Royal Dublin Fusiliers, has been wounded in action for the fifth time. Private Alexander, who prior to the outbreak of war was with John Riley & Sons, manufacturing chemists, Hapton, was in the retreat from Mons.

SECOND-LIEUTENANT HORACE MORETON NEWTON, Lancashire Fusiliers, is reported missing. Second-Lieutenant Newton, who till his enlistment in 1914 was with Levinstein, Ltd., manufacturing chemists, Crumpsall Vale, was in the Somme battle, and received his commission in August 1917.

Miscellaneous.

MICA CONTROL ORDER.—An Order of the Minister of Munitions, dated April 15, provides that until further notice no mica may be bought, sold, delivered, or received, or used in manufacture or work, except under a licence, and that traders shall make such returns relating to stocks, trade, contracts, or orders as the Controller may require. "Mica" means block mica of the following quality and size grades: Clear and partly stained ruby, of "best" or "Government standard" quality, or suitable for use in the manufacture of magneto-condenser plates, in size grades No. 3 to No. 6 inclusive, or their equivalent in rectangular or other trimming—and includes mica coming within the above definition when split from block of any quality. Applications for licences should be made to the Controller of Non-Ferrous Materials (M.S.R.), Ministry of Munitions, 8 Northumberland Avenue, W.C. 2, and marked "Mica Licence."

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

GODALMING.—Mr. L. C. Underwood, chemist and druggist, manager to Mr. V. Norman, chemist and druggist, was exempted to May 6.

OAKHAM.—Mr. W. G. E. Spackman, chemist and druggist, was granted two months.

RETFORD.—Mr. J. R. Hebditch, chemist and druggist, was exempted for three months.

ROCHDALE.—Mr. A. E. Holden, assistant with Mr. J. Kershaw, chemist and druggist, was temporarily exempted to June 30.

ROCHESTER.—Mr. H. B. Burr, assistant with Ostler & Co., Ltd., chemists, was exempted for three months.

SOUTHWARK.—P. H. Galloway, Ltd., manufacturing chemists, Walworth Road, were granted six months' exemption for their manager in place of conditional exemption.

SWINDON.—Mr. A. C. Allen, chemist and druggist, was temporarily exempted for six months.

WANDSWORTH.—Mrs. Saunders, chemist, Old Town, Clapham, applied for the further exemption of Mr. G. A. Rowe, her manager. She said she had endeavoured to sell the business, but without success. The appeal was disallowed, but the calling-up was postponed for two months.

Trade Notes.

ONGARD SAFETY-PINS, in demand for surgical and nursery purposes, are made by George Goodman, Ltd., Birmingham.

VIKING CHEESE RENNET.—The prices for the various size packages of Viking cheese rennet are given in the advertisement in this issue of the Viking Rennet Co., Ltd., 19 Clapton Square, London, E. 5.

SALE OF SACCHARIN TABLETS.—Burgoyne, Burbidges & Co., Ltd., East Ham, London, E., mention in their advertisement the terms upon which they supply tablets of British-made saccharin. The prices, both wholesale and retail, are given.

LA-ROLA ROSE BLOOM is a face-tint which is made by M. Beetham & Son, Cheltenham, who are well known on account of their Lait La-Rola and glycerin and cucumber. The firm's toilet-goods are protected at face-value, and there are special terms for displays.

ROBINSON'S PATENT BARLEY.—The authorisation of the sale of Robinson's Patent Barley is subject to the consumption being restricted, so far as practicable, to infants, invalids, and children, and to the retail price not exceeding 1s. per lb., 6d. per $\frac{1}{2}$ lb., and 3d. per $\frac{1}{4}$ lb.

WAVECURL is a preparation made by the New Wavecurl Co., Fulwood House, High Holborn, London, W.C. 1. It is used for curling and keeping in curl ladies' hair. There are two forms of Wavecurl, about which the company are sending out particulars to chemists who desire to take up agencies.

CREMOR OINTMENTS.—Ayrton, Saunders & Co., Ltd., Liverpool, to whose ointments with a non-lard basis we referred recently, have extended the series, which now includes cremor lanolin, cremor antisepticum, cremor acidi borici, cremor sulphuris, cremor zinci, and all official ointments in which lard was ordered. The prices of the plain lanolin cream and of other cremors in demand are given in the company's advertisement in this issue.

HARRINGTON'S HYGIENIC SPECIALITIES.—Francis Newbery & Sons, Ltd., 27-28 Charterhouse Square, London, E.C. 1, have been appointed agents for the drug-trade for the hygienic specialities for infants and ladies made by Messrs. Harrington, 13 and 14 Cheapside, London, E.C. The series consists of squares, face-towels, swabs, cot-pads, hygienic towels, and sanitary belts, which are packed in a manner making them suitable for sale by chemists. Showcards and folders are supplied giving particulars of these goods, and further information may be had on application to Messrs. Newbery.

SACCHARIN TABLETS.—The Standard Tablet Co., Ltd., Hove, inform us they are now in a position to deliver saccharin tablets made from British-made saccharin. In regard to the packages in which the tablets are packed, it will have been noticed that an advantage accrues to the customer where the envelope form of container is employed. This is a point which chemists should notice, especially in view of the difficulty in obtaining adequate supplies of bottles. The Standard Tablet Co., Ltd., have taken special pains to produce a high-class style of envelope for the purpose, the one they are using having upon it a beautifully designed figure embossed in white and green.

"TABLOID" MEDICINE CASE.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., send us particulars of "Tabloid" medicine pocket-case No. 128 which has been added to their well-known series of "Tabloid" chests and cases. The case, which is intended for hard wear and is built for strength and durability, contains twenty-three tubos of "Tabloid" and "Solioid" products, including preparations for hypodermic and ophthalmic medication; a B. W. & Co. all-glass aseptic hypodermic syringe, needles, and brass wires in removable tray; and a vulcanite rod for application of ophthalmic products. The measurements of the case are 6 in. by $3\frac{1}{4}$ in. by 1 in.

ASHANTI KOLA.—The kola-erop in 1916 was not so prolific as in 1915, the yield amounting to, roughly, four-fifths of the preceding year. This in no way means deterioration of trees—the normal state of affairs ordaining that crops vary annually, and reach a maximum yield every third year.—*Colonial Report on Ashanti*.

POTASH FROM ALUNITE ORES.—The Executive Committee of the Australian Commonwealth Advisory Council of Science and Industry has investigated the possibilities of developing a potash industry by working alunite ores, and a favourable report has been issued to the effect that the manufacture of potassium sulphate could be carried on with profit if done on a sufficiently large scale by means of modern appliances, provided always that a local market for the output could be obtained.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following tenders have been accepted by the bodies named:

Brentford Guardians.—Middleton Bros., disinfectants, etc.; Oxo, Ltd., meat extract; Camwal, Ltd., mineral waters; Howards & Sons, Ltd., sodium tannate.

Burnley Guardians.—Corbyn, Stacey & Co., Ltd., drugs. East Ham Town Council.—Burgoyne, Burbidges & Co., Ltd., drugs and sundries; the "Sanitas" Co., Ltd., soluble creosote, etc.

Fareham Guardians.—The "Sanitas" Co., Ltd., soap and disinfectant fluid; Oxo, Ltd., meat extract.

Hendon Guardians.—The "Sanitas" Co., Ltd., and Jeys' Sanitary Compounds Co., Ltd., disinfectants.

Pembroke Guardians.—Mr. Daniel Davies, chemist and druggist, drugs, etc.

St. Pancras Guardians.—Thos. Hodgkinson, Prestons & King, drugs; S. Maw, Son & Sons, Ltd., instruments, etc.; Sangars, proprietaries and dressings; J. G. Ingram & Sons, indiarubber sheeting and water-beds.

Uxbridge Guardians.—Jardox, Ltd., meat extract.

Wandsworth Guardians.—Jardox, Ltd., meat extract; Middleton Bros. and Jeys' Sanitary Compounds Co., Ltd., disinfectants; Robinson & Sons, Ltd., surgical dressings; Messrs. A. H. Dee, J. Keall, A. Owen, and E. F. Williamson, chemists and druggists, medicines for outdoor poor.

Whitby Urban District Council.—Mr. C. Tindale, chemist and druggist, drugs, etc.

Birmingham.

Many pharmacy windows are just now stocked with egg-preserving solutions, in view of the cheapening of eggs and probable fixing of a controlled price.

The demand for bismuth-and-soda tablets is increasing, and they are likely to rival saccharin tablets in popularity. War bread is the alleged *bona origo*.

Turpentine retails here at 1s. 8d. per pint (four times the pre-war price). Teachers of pharmacy are inquiring for a substitute suitable for students to practise with in making linimentum tercbinthinae.

Mr. F. J. Gibson, Wolverhampton, is a *persona grata* in Birmingham and the Midlands, where he has made many personal friends. He has a talented wife, to whom not a little of his success is due, and a family who have been highly successful in their scholastic careers.

Liverpool.

The Man-power Bill has caused a partial slump in business.

A coming scarcity of soap is anticipated; few retailers have much in stock.

The Benevolent Fund Concert has resulted in the sum of about 70*l.* net. It indicated a degree of district unity most encouraging.

Frosts by night and the cold winds and cloudy skies by day retard spring displays and keep to the fore the winter medicines and palliatives.

The release of saccharin has been followed by a flush of orders for tablets. For several weeks the orders can be executed in sections only, until the supply overtakes the demand.

Over twenty members of the Methylated Spirit Makers' Association, representative of all parts of Great Britain, met at Liverpool on April 16. It was resolved to make no alteration in the price of methylated spirit. Owing to the shortage of wood naphtha in the United Kingdom and the difficulties of transport it has been decided to use, in certain manufactures, a similar percentage of a suitable denaturant which would meet the requirements of the Customs and Inland Revenue jointly with those of manufacturers.

Manchester.

A well-known photographic chemist has a good window display of 1-lb. cartons of hypo. at 9*d.* per lb.

Several chemists are making window-displays of spring medicines; sulphur soap, and other lines suggested by "The Chemists' Calendar."

Measles and whooping-cough have been very prevalent in Manchester this past month. Mr. J. Cleworth's three children are just recovering from the latter complaint, and other chemists are studying juvenile ailments at close quarters.

Many chemists are losing custom through being unable to get supplies of many popular everyday articles. It is getting quite a common occurrence to have goods, especially some brands of toilet-soaps, on order for two and three months. One up-to-date chemist now places a notice in his window, naming the particular article of which he has just been able to get supplies, and stating, "Get yours now. Only one supplied."

A large number of chemists of military age, who voluntarily attested under the Derby scheme, but were not classified, have received notices to present themselves at the recruiting depots. Some have already been classified, while others are awaiting appointed dates for the medical examination. This is necessary owing to a recent notice issued by the Manchester Insurance Committee, to conform with the military requirements and in connection with the exemptions granted to panel chemists and their assistants.

Sheffield.

Chemists who hold wine-licences, although they have very restricted hours of sale, are not doing so badly, and customers are very grateful for their supplies.

It has been decided to support the Face Values Committee, the claims of which were recently advocated here, and to subscribe the sum of 3*l.* towards the expenses.

The Council of the local Society has decided to ask the members to support Mr. F. Pilkington Sargeant's candidature, basing the recommendation on territorial grounds.

The new Maternity and Child Welfare Centre in Norfolk Street has been opened by the Lord Mayor, who mentioned that 33,590 children a year are now dealt with. Foods of various kinds—*e.g.*, malt extract—are supplied there, and chemists' interests need carefully watching.

The friends of Mr. T. Mayor, of Hillsborough, will be pleased to hear that he has been able to take up his business again. Mr. T. Dobb, unfortunately, does not recover so quickly, and is still laid up. At present he is at his residence, Brookfield Manor, Hathersage.

Miscellaneous.

BRIBERY PREVENTION LEAGUE.—The eleventh annual meeting of the Bribery and Secret Commissions Prevention League (Incorporated) was held on April 12 at the London Chamber of Commerce, Mr. Stanley Machin (Chairman of the Council) presiding. It was stated that fifty new members have recently joined.

Poisoning.—The City of London Coroner held an inquest on April 12 on the body of Mr. Alfred Gordon Salomon, analytical chemist, lately residing at the Russell Hotel, W.C., who, it was said, had been financially embarrassed. Dr. Spilsbury stated that death was due to poisoning by cyanide of potassium, and the jury returned a verdict of "Suicide while in a state of unsound mind."

LEICESTER SWEET-NITRE CASES.—In a report of prosecutions at Leicester for selling sweet nitre deficient in strength which was published in THE CHEMIST AND DRUGGIST, April 13, p. 35, it was erroneously stated that Mr. Butler, who gave evidence in the cases, was connected with E. H. Butler & Son. We much regret the error in our report to which E. H. Butler & Son call our attention. The sweet nitre referred to in the cases was not supplied by this firm.

POLICE COURT CASES.—At Cardiff Police Court, on April 10, Archibald Matthews (trading as Kitt & Co.), herbalist, Bute Street, was fined 10*l.*, with 3*l.*. 3*s.* costs, for infringing the Venereal Disease Act by treating an affected Danish sailor.—At Dartford Police Court, on April 6, a charge of assault brought against Mr. Robert Tocher, Ph.C., High Street, Greenhithe, was dismissed with a caution.—At Bournemouth Police Court, on April 3, Mr. W. Bland Botham, Ph.C., Holdenhurst Road, was fined 5*s.* for failing to close his shop at 8 P.M. on March 18. Mr. Botham explained that he was shorthanded at the time, and was not aware that the closing-hour had passed. He had not been previously cautioned.

CONTROL OF BUSINESS.—Sir Albert Stanley, M.P., President of the Board of Trade, addressing the members of the Birmingham Chamber of Commerce on April 17, said he is quite clear that the restrictions which have been put upon trade during the war cannot automatically be brought to an end the moment the war ceases. They must continue for a time after the war, and recognising that fact it is imperative, in the interest of the State, as well as in the interest of the business communities, that the administration of these controls should be exercised with every possible care. He believed it to be the bounden duty of the Government to take the necessary steps to see that, in conjunction with our Allies and with our Dominions overseas, our resources of foodstuffs and raw materials were used after the war in the first instance for the benefit of ourselves and of our friends, and were not used by our present enemies.

Irish News.

Brevities.

Chemists in the South of Ireland for the past fortnight have found business very disturbed owing to the passing through Parliament of the Military Service Bill, as political thought has reached fever heat.

The Cork Guardians considered a report from their Visiting Committee recommending that a chemist be appointed to take stock of the medicines and surgical appliances with Mr. O'Sullivan, chemist to the Union. The Board decided to appoint two chemists at 10/-.

On grounds of economy the Committee of the co. Wexford Infirmary wishes to obtain the supplies of drugs through the Wexford Union and from the Union contractors, but the Guardians have replied that this would be impracticable except they could arrange direct with the contractors. It was decided to invite tenders from the firms holding the Union contracts.

Sumner & Co., Liverpool, who secured a large number of the contracts for drugs and appliances from Irish Boards of Guardians in recent years, have intimated to the Kilrush Guardians that it is impossible for them under existing circumstances to submit tenders on the usual official forms, and they are not in a position to offer discounts off the official lists of prices either for drugs or appliances.

Scottish News.

Brevities.

The Perthshire Herb-growing Association has during its past year paid 46/- for fresh herbs, which have realised 86/- after drying. A larger quantity is necessary before the drying-shed can be remunerative.

It is expected that the existing arrangements whereby chemists have been starred as necessary for the needs of their areas will be continued under the new legislation. The dispensing service in Scotland is being carried on with the minimum of qualified chemists.

Many chemists are glad that they read the recent C. & D. articles regarding the saccharin situation, and so avoided speculative buying and consequent profitless selling. The public will now insist on the British article, and already we have visions of saccharin ration-cards.

Glasgow.

Arrangements are in progress for the establishment of a consulting bureau at Paisley, with two medical men and a nurse in attendance. This has been necessitated by the scarcity of panel doctors.

Claims against the estate of the late John S. Young, druggists' sundriesman, 20 Renfrew Street, Glasgow, should be lodged at once with William Hutson, 24 St. Vincent Place, agent for the executors.

Lieutenant-Colonel R. D. McEwan has been promoted from National Service Representative for Glasgow to Deputy-Director of National Service (Scottish Region). Colonel McEwan was formerly Chairman of the Glasgow Insurance Committee.

Business Changes.

MR. GEORGE H. FISHER, chemist and druggist, 164 Walmer Road, London, W., is removing to larger premises on the opposite side of the road (No. 155).

MR. T. C. MANSELL, chemist and druggist, Shaftesbury Avenue, London, W., has purchased the business known as Barrie's Pharmacy, Knightsbridge Green, S.W.

MR. GEORGE DE CARLE, chemist and druggist, has taken the premises at 134 Goldhawk Road, London, W., formerly occupied by the Victor Manufacturing Drug Co., for a pharmacy.

MR. FREDERICK ELLIS, chemist and druggist (trading as C. Gadd & Son, Harleyford Road, Vauxhall, London, S.E., and branches), has purchased the business of the late Mr. Benjamin Armstrong, Caledonian Road, N.

BARLEY-SUGAR was so named because it was formerly made by boiling down ordinary sugar in a decoction of pearl-barley.

Legal Reports.

Unstamped Medicines.—At Enfield Police Court on April 15, Thomas Martin, boot-dealer, Church Street, Enfield, was summoned for selling corn-plaster liable to duty without having a licence. Mr. C. Walker, solicitor, on behalf of the Commissioners of Customs and Excise, said defendant sold a corn-plaster, notwithstanding the fact that his licence had expired some time ago and he had stated he did not intend to renew it. Defendant said he had only a few of the plasters left, and was trying to get rid of them. The Chairman said the Bench considered that the proceedings, which had been instituted under the Medicine-stamp Act, 1892, showed that only a technical offence had been committed, and a nominal fine of 6d. only would be imposed.

An Unsuccessful Appeal.—On April 16, in the King's Bench Divisional Court, before Justices Darling, Avory, and Atkin, an appeal was heard on a case stated by the Penkridge (Staffs) Justices, in which H. J. Walker, F. S. Waite, and H. Kay, of the Curtis Chemical Laboratory, Hill Street, Birmingham, had been convicted for an offence under the Venereal Disease Act, 1917, in issuing a handbill at Cannock offering to cure venereal disease. Mr. Rigby Swift, K.C., M.P., in support of the appeal, contended that the officers of the company could not be collectively charged with the offence. There was no evidence to show that the appellants had aided and abetted in committing the offence. The alleged offence was the posting of a handbill in a public urinal inviting people to apply for treatment to the company. One appellant was a director, the second was a shareholder, and the third the secretary of the chemical company. It was not shown that either of the appellants gave directions for the handbill to be posted. Mr. Justice Darling said the only question for this Court to decide was whether the evidence was sufficient to justify the Magistrates in convicting the appellants. According to recent legislation a limited company was liable for things done in its interests. He was clearly of opinion that there was ample evidence on which the Magistrates could convict, and under these circumstances the appeal would be dismissed, with costs. Mr. Justice Avory and Mr. Justice Atkin concurred.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

MOORES (CHEMISTS), LTD. (P.C.).—Capital 3,000*l.* Objects: To take over the business carried on by J. A. Moore at 24 and 73 Freeman Street, Grimsby, and to carry on the business of wholesale and retail chemists, druggists, chemical, disinfectant, cattle oil and medicine manufacturers, etc. R.O., 24 Freeman Street, Grimsby.

LEVINSTEIN, LTD.—The directors announce an interim dividend of 2*d.* per share, less tax, or 20 per cent. (actual), against 15 per cent. last May.

PARKE'S DRUG STORES, LTD., announce the payment on April 20 of the dividend on the preference shares for the half-year ending March 31, 1918, at the rate of 6 per cent. per annum, less income-tax.

NEW TRANSVAAL CHEMICAL CO., LTD.—The report for the year ended June 30, 1917, states that the balance standing to credit of profit and loss, including 2,26*l.* brought forward, is 76,399*l.* The directors have transferred to depreciation account 7,747*l.*, leaving 68,653*l.* They recommend a dividend of 20 per cent. on ordinary shares, and to carry forward 11,113*l.*

UNITED ALKALI CO., LTD.—The report for the year ended December 31, 1916, states that, after providing for excess-profits duty, 1915 and 1916, and special taxation, transferring 15,000*l.* to debenture redemption fund account, there is a net profit of 196,169*l.*; 50,379*l.* was brought forward, making 246,548*l.* After deducting final dividend on ordinary shares for 1916, at 2*s.* per share, 23,529*l.* is carried forward.

SANDOW'S COCOA AND CHOCOLATE CO.—In the Companies Winding-up Court on April 16, Mr. Justice Astbury heard a petition by Sir T. V. Strong for the compulsory liquidation of Sandow's Cocoa and Chocolate Co., Ltd. Mr. Dighton Pollock stated that it was a contributory's petition,

and the circumstances were somewhat unusual. The petition set out the incorporation of the company, its nominal capital, and the objects for which it was formed. Further capital was raised by the issue of debenture stock, a debenture-holder's action had been brought, judgment given, and a receiver appointed with liberty to sell. The sum of £6,000 was now standing to the credit of the company, but this was less than the amount of the debenture stock. The company was insolvent and unable to pay its debts, and as all the directors had resigned, there was nobody to protect the interests of the unsecured creditors, or to investigate the cause of the company's losses. The whole of the property had been disposed of except a claim against the German vendors, against whom it was alleged that they had not honestly divulged the process of manufacture, whereby the company had suffered loss. The contributors felt that this charge should be investigated, and that their interests should be protected by the Court. There was no opposition, and his Lordship made the usual compulsory order.

Pharmaceutical Society of Ireland.

Council-meeting.

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on April 9, Mr. James Michie, President of the Society, in the chair. The following members of the Council were also present: Messrs. J. E. Connor, J.P. (Vice-President), G. D. Beggs, J.P. (Hon. Treasurer), G. A. McLean Lee, Wm. Doig, W. F. Wells, J. H. Bowden, R. Blair, Thos. N. Moffitt, A. Owen Wells, Victor E. Hanna, D. M. Watson, and Dr. A. J. Barnes. Mr. William Hanna wrote expressing regret at his inability to attend.

VOTE OF CONDOLENCE.

The PRESIDENT referred to the loss which had been sustained by their colleague Sir William James Baxter, a past President of the Society, by the death of his brother, Mr. John Baxter, chemist and druggist. Mr. Baxter, he said, had been a subscriber to the Pharmaceutical Society for a number of years, and had been in business in Ballymoney, co. Antrim, where he was very widely known and highly respected. He was sure that Sir William Baxter had the sympathy of every member of the Council present, and he begged to propose a vote of condolence with him.

The vote of sympathy was passed in silence, the members standing.

THE KILKENNY PROSECUTIONS.

The Registrar submitted a letter from the Under-Secretary, Dublin Castle, transmitting memorials from eight persons recently convicted at the Kilkenny Petty Sessions of breaches of the Pharmacy and Sale of Poisons Acts (C. & D., March 9, p. 37), and stating that the Lord-Lieutenant, before dealing with the memorials, would be glad to be favoured with any observations the Council might wish to offer in reference to them.

The Registrar was directed to reply in terms agreed upon.

REGISTERED DRUGGIST'S DEATH.

The Registrar submitted a letter from the Deputy Inspector-General, Royal Irish Constabulary, stating that the police at Rathdrum, co. Wicklow, reported that Mr. Laurence Byrne, chemist and druggist, died on February 17. Immediately after his death the police visited his premises and warned the executors of his will, and his daughter, Miss May Byrne, who is now in charge of the shop, that it would not be legal to sell poison. There had been no sale since.

PRELIMINARY REGISTRATION.

The following, who submitted certificates of other bodies, were admitted to Preliminary registration:

Mr. P. Colhoun, Main Street, Strabane; Mr. J. P. O'Sullivan, Main Street, Fethard, co. Tipperary; Mr. Francis Joseph MacMahon, Bridge Street, Cooteshill, co. Cavan; Mr. J. A. Kissane, 23 Gladstone Street, Clonmel; and Mr. P. J. Griffin, Carlow.

CHANGES OF ADDRESS.

The following notified changes in their address:

Mr. H. E. Grimshaw, Ph.C., to c/o Hopkins & Co., Cape Town; Mr. R. Duggan, Ph.C., to 1a Summerhill Parade, Dublin; and Mr. W. E. Wilson, R.D., from c/o J. & J. Haslett, Ltd., to 31 North Street, Belfast.

EXAMINER RE-ELECTED.

Mr. John Burnett, M.P.S.I., was unanimously re-elected an Examiner for the Practical Chemistry division of the Pharmaceutical Licence examination.

REPORTS FROM COMMITTEES.

Reports from the Law Committee, the House Committee, the School Committee, the Certificates Committee, and the Declarations Committee were considered and adopted.

THE PRELIMINARY EXAMINATION.

The PRESIDENT moved, in accordance with notice of motion:

That in future the Preliminary examination shall commence at 10 o'clock A.M. instead of 11 o'clock A.M., as at present.

He said the object of his proposal was to divide the day more evenly for the candidates. It was the result of a suggestion of Sir John Moore, the visitor. The approval of the Lord-Lieutenant had to be obtained before the proposal became operative. Its adoption would allow of a better interval, and, if necessary, of two intervals. Most of the candidates were young, and Sir John Moore was of opinion that it would be in the interest of their health if the day was better divided than at present.

Dr. BARNES, seconding, said he had acted as one of the Examiners for the Preliminary examination. One result of the President's proposal would be that it would give a better arrangement of the time-table, and, what was perhaps more important, it would allow a little more time to be given to some of the subjects, and thereby afford a better test of the candidate's knowledge.

The VICE-PRESIDENT said if candidates from the North of Ireland could not get a morning train to bring them in time for an examination commencing at 10 o'clock, it would be a great inconvenience and expense to them.

Mr. W. F. WELLS said the reason the hour had been fixed at 11 o'clock was to enable country candidates to travel from their homes on the morning of the examination. Was it fair to these young fellows to compel them, as a result of changing the hour to 10 o'clock, to spend another night in the city?

Mr. WATSON thought it was in the interest of the candidates that they should be in the city the night before instead of being compelled to take the long railway journeys on the morning of the examination.

Mr. HANNA expressed a similar view.

The President's motion was passed by a majority.

Examination Results.

Preliminary Examination.—The following have passed, the names being in order of merit: Peter Maynard Barbour, Monaghan; Bridget Estelle Smyth, Ballybough; Mary Anno Harrington, Dublin; Lucy Brandt, Dublin; Robert Arthur Stewart Coulter, Monaghan; Winifred Magee, Belfast; Denis Daly, Carrick-on-Suir; (Catherine Josephine Clune, Limerick; Mary Whelan, Mohill); Ethel Enid Martindale, Enniscorthy; John McCarthy, Doneraile; Hugh Walsh, Ballymena; Hugh McGaughan, Belfast; Margaret Kieran, Clones; Robert Walter McKeever, Killiney, co. Dublin. Eighteen candidates were rejected.

Registered Druggist Examination.—The following have passed, the names being in alphabetical order: Wm. Victor Longford; Mary Elizabeth Coulter, Dublin; Wm. Jones, Portadown; Margaret Leavy, Mountmellick; Wm. Herbert Richardson, Portadown; Wm. George West, Dublin. Five candidates were rejected.

Pharmaceutical Licence Examination.—The following have passed with honours: Henry McEver, Kinsale; (Samuel Henry Forrest, Cookstown; James Crothers Young, Ballymoney, co. Down); James Megarry Wadsworth, Newtownbutler; Margaret Kingston, Skibbereen; Thomas Neligan, Dingle; Robert Farrell, Tunnyduff, co. Cavan; (Mary Cummins, Carrick-on-Shannon; Percy Richard Walter Shinner, Graigue, co. Kilkenny); Mary Wilson Corry, Letterkenny. The following have also passed: Christopher Lawrence Brodrick, Athlone; Edward Kelly, Belfast; Joseph Martin Huban, Gort; Joseph Dargan, Cashel; James Wm. Whelan, Drinagh, co. Wexford; Patrick Daly, Oldtown, co. Limerick; John Edward Devitt, Belfast; John Alexander Patton, Strancaveen, co. Antrim; Wm. Daniel Broderick, Duagh, co. Kerry; (John Francis Courtney, Carrick-on-Suir; Thomas McGurk, Belfast; Wm. John Pedlow, Belfast). Sixteen candidates were rejected.

Pharmaceutical Assistant Examination.—The following have passed: Charles Joseph McQuaid, Carlingford; Arthur James Goodall, Dublin; Frank Wm. Buchanan, Portrush; Thomas Joseph McDermott, Dublin. Three candidates were rejected.

Births.

COOPER.—At 12 Eaton Road, Claughton, on April 13, the wife of B. J. Cooper, chemist and druggist, the Argyle Pharmacy, Birkenhead, of a daughter.

HAWKINS.—At the Exmoor Pharmacy, Minehead, recently, the wife of Gilbert H. Hawkins, chemist and druggist, of a son.

PARRISH.—At the Bennett Twilight Maternity Home, Gillingham, Kent, on April 10, the wife of J. E. Parrish (Parrish's Drug-stores, 361 High Street, Rochester), of a daughter.

Marriage.

DUNN—CHANDLER.—At the Congregational Church, Ash-next-Sandwich, on April 4, Private George Stewart Dunn, Canadian Army Medical Corps, youngest son of Mr. G. Stewart Dunn, chemist and druggist, High Street, Deal, to Winifred Madeline, only daughter of Mr. W. G. Chandler, The Laurels, Goldstone, Ash.

Deaths.

ELLISTON.—At "Belstead," Northwood, on April 13, Mr. Guy Elliston, Financial Secretary and Business Manager of the British Medical Association, aged forty-six. —Mr. Elliston, who was the third son of the late Mr. W. A. Elliston, M.D., J.P., an ex-President of the British Medical Association, was born at Ipswich. Prior to joining the staff of the Association he had experience in commerce and journalism, and was at one time Captain of the 1st Lancashire Artillery Volunteers.

GRIMBLE.—At Ophirton House, Sleaford Road, Boston, on April 10, Mr. Albert Grumble, Ph.C. (Grumble & Kent, chemists), aged sixty-five. Mr. Grumble took the business of the late Mr. Thompson Allen, to whom he had been both apprentice and assistant, about thirty years ago. He was a trustee of the Wesleyan Church, and was widely known and respected in the district. He leaves a widow.

HADFIELD.—At Plymouth, this week, Mr. James Havelock Hadfield, chemist and druggist, aged fifty-nine. Mr. Hadfield was in business in Beaumont Road for many years, and had but recently retired. He is survived by his eldest son, who holds a commission in the R.A.M.C.

HEWITT.—At Silver Hollies, Edge Hill Road, Nether Edge, Sheffield, on April 13, Fanny, wife of Mr. John Parkin Hewitt, chemist and druggist, and mother of Mr. Charles Herbert Hewitt, chemist and druggist, aged seventy-one.

SALAMON.—At 1 Fenchurch Avenue, London, E.C., on April 9, Mr. Alfred Gordon Salomon, F.I.C., F.C.S., A.R.S.M., etc., aged fifty-nine. The late Mr. Salomon was one of the best-known consulting analysts, and had a large practice in the City, chiefly devoting himself to all that pertained to the brewing and distilling industries. He received his scientific education at the Royal School of Mines, of which he became an Associate in 1882. Within three years Mr. Salomon had devised a highly successful process for utilising waste products in breweries; and when Fahlberg discovered saccharin in 1886, and it was produced commercially in 1887, he recognised the great future of the sweetener, and his father's firm (Wilson, Salomon & Co.) secured the agency for this country. Mr. Salomon was an able lecturer, and on several occasions gave addresses before the Society of Arts, the Royal Institution, and the London Institution on subjects connected with grain and fermenta-

tion. His work, however, was by no means confined to brewing, and his studies of coal-gas have resulted in two important inventions—one (1888) for desulphurising the gas issued by the Gas Light and Coke Co. and other companies, and another (1900) for extracting cyanogen from coal-gas in the form of sulphocyanides, with a view to their conversion into cyanides. Mr. Salomon was one of the members of the Council of the Society of Chemical Industry, and took a keen interest in the proceedings of that body, and was Chairman of the London Section in 1904. He was also a Past-President of the Institute of Brewing and the Institute of Chemistry, and had on many occasions given his services in the interest of science.

LETTES.—Recently, Dr. Edmund Albert Letts, F.I.C., F.C.S. Dr. Letts, who was born in 1852, was appointed Professor of Chemistry at University College, Bristol, in 1876, and three years later removed to Belfast, where he held two professorships till recently. While at Bristol he collaborated with the late Mr. G. F. Schacht in an examination of bismuth residues, some unsuspected elements, including gold, being identified.

LLOYD.—At 125 St. John's Hill, Clapham Junction, London, S.W., on April 13, after a long illness, Mr. James Lloyd, chemist and druggist, formerly for many years of Battersea Rise, aged seventy-three.

TAYLOR.—At Merrilees, Drumchapel, on April 5, Mr. William Edward Taylor, manufacturing chemist, St. Enoch Square, Glasgow. Mr. Taylor was born and apprenticed at Basingstoke, and after gaining further experience became a representative of Armour & Co., Ltd., and subsequently of Burroughs Wellcome & Co. He had of late carried on business as a manufacturing chemist and as agent for Scotland for the Sister Laura Infant Food Co., Ltd. He is survived by a widow and three daughters.

Died on Service.

BESWICK.—Sapper Harry Beswick, R.E., has been killed in action. Sapper Beswick was apprenticed to Mr. E. W. C. Battle, Ph.C., Ripon, and was subsequently assistant with Mr. H. C. Brierley, chemist and druggist, Leyburn.

DOBIE.—Second-Lieutenant Alexander Middleton Dobbie, Black Watch, died on April 13 of wounds received in action, aged nineteen. Second-Lieutenant Dobbie was the elder son of Sir James Dobbie, D.Sc., Principal of the Government Laboratories.

EHRHARDT.—Lieutenant John Albert Ehrhardt, Tank Corps, fell in action on March 26, aged twenty. Lieutenant Ehrhardt, son of Dr. Ernest Ehrhardt, manager of the Mersey Chemical Works, Ltd., Bromborough, joined the O.T.C. after matriculating at London University, and on completing his training entered the Army in 1916.

GILMOUR.—Lieutenant Robert W. Gilmour, Royal Inniskilling Fusiliers, has fallen in action in France. Lieutenant Gilmour was a nephew of Sir William Baxter, Ph.C., D.L., an ex-President of the Pharmaceutical Society of Ireland, who, it will be remembered, has recently lost his brother (*C. & D.*, April 6, p. 37).

MASSEY.—Gunner Harry Massey, R.F.A., died in hospital abroad, on March 27, of wounds received in action. Gunner Massy, who in civil life was with Joseph Crosfield & Sons, Ltd., Warrington, had been on active service for seventeen months.

SUTHERLAND.—Private Harry Sutherland, Highland Light Infantry, is officially reported to have died in hospital in Germany. Private Sutherland was in civil life one of the representatives of Munro, McLaren & Sutherland, druggists' sundriesmen, Glasgow, and was the eldest son of the late Mr. Robert Sutherland, a partner in the firm. He was taken prisoner in September 1917 (*C. & D.*, 1917, p. 869).

VERITY.—Gunner Harold Verity, Royal Garrison Artillery, has been killed in France while saving a gun from falling into enemy hands. In civil life Gunner Verity was an assistant with Mr. Foster Smith, chemist and druggist, Tong Street, Bradford.

WALKER.—Private Walter Walker, Highland Light Infantry, has been killed in action, aged twenty-four. In civil life Private Walker was with Provost John Macintyre, chemist and druggist, North Berwick.

WOOD.—Corporal A. W. Wood, Australian Imperial Forces, was killed on service in France on March 30. Corporal Wood was the son of Mr. A. G. Wood, Kingsbury Road, Gravelly Hill, Birmingham (representing Duncan, Flockhart & Co., Edinburgh).

REXALL PROFITS.—The net profit of \$3,156,000 was made by the United Drug Co. last year. Net sales amounted to \$40,716,289, and the cost of the goods was \$26,832,192.



MR. A. G. SALAMON.

merically in 1887, he recognised the great future of the sweetener, and his father's firm (Wilson, Salomon & Co.) secured the agency for this country. Mr. Salomon was an able lecturer, and on several occasions gave addresses before the Society of Arts, the Royal Institution, and the London Institution on subjects connected with grain and fermenta-

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

M.P.S AND MILITARY SERVICE.

The War Cabinet has decided that members of Parliament will, under the Military Service Act, have the choice of serving or of remaining in the House of Commons, this being, Mr. Beck stated on April 11, because members are performing work of national importance.

ONE-MAN BUSINESSES.

The Parliamentary Secretary to the Minister of National Service stated, on April 15, that the principle of the one-man business scheme embodied in the circular of the Local Government Board and the Scottish Office (R. 167) issued to local Tribunals is not affected by the National Service Order of April 9 (see *C. & D.*, April 13, p. 33).

NEW BUSINESSES.

Mr. Beck stated in the House of Commons that applications for licences to open new retail businesses are not referred to a local Committee. Each applicant is required to give in writing full details affecting his application. In addition, a careful inquiry as to the particular local circumstances is made by representatives of the Ministry of National Service. It has not been considered necessary to establish local Committees for the purpose.

IMPORTS AND EXPORTS.

Before the end of the week the Government will be closely questioned (writes our Parliamentary correspondent) as to their intentions regarding the Imports and Exports (Temporary Restriction) Bill. It is understood that as soon as the Budget has been disposed of it will be introduced. Since it was last before Parliament the opposition, it is stated, has grown appreciably, and Mr. Samuel Samuel, M.P., informed our representative that in the interim he has received a vast amount of additional information in support of his campaign against the Bill.

SALE OF SWEETMEATS.

The Parliamentary Secretary to the Ministry of Food stated, in the House of Commons on April 15, that the Sale of Sweetmeats (Restriction) Order, 1918, has been made in order to deal with the sale of sweetmeats by small retailers. It is designed to secure that nobody shall sell confectionery retail unless either he is a small trader, the rateable value of whose premises does not exceed 40/- per annum, or unless he holds a licence, which will only be issued to him if 20 per cent. of the gross receipts of his business in 1916 were receipts from the retail sale of confectionery. The effect of this will be to prevent those who deal in confectionery as a side-line from doing so in future, and pass all the available confectionery through the hands of the small retailers and those mainly dependent on the trade. The Order will not interfere with the trade of hawkers and costermongers.

OPIUM-SMUGGLING.

Lord Robert Cecil, who replied to Sir Wm. Collins's question regarding the smuggling of 4 tons of opium into Shanghai (*C. & D.*, April 13, p. 34), said the question appears to relate to two consignments of opium exported from London in October and November 1917, concealed in packages of innocent cargo. The opium was discovered on the arrival of the goods at Shanghai. Inquiries into the matter were made by the police and the Customs authorities in this country, with the result that the actual exporters were traced. One of them, an American citizen, named Woodward, was arrested and tried before the United States Consular Court in Shanghai on a charge of participation in the smuggling of the opium, to which he pleaded guilty. The maximum fine admitted by United States law was inflicted by the Court. The actual quantity and value of the opium is not known. It does not appear that legal proceedings lie against any person at present domiciled in the United Kingdom.

UTILISING PHARMACISTS IN THE ARMY.

Mr. Rowlands asked the Under-Secretary of State for War, in the House of Commons on April 15, whether he is aware that there are many duly qualified pharmacists at present in the Army whose services are not being utilised as dispensers; and whether he will consider if more advantage can be taken of these trained men?

Mr. Macpherson replied that up to the present the supply of pharmacists and dispensers for the Army has been sufficient to meet the demand, and it has not been found necessary to withdraw these men from other units. The fact that there are a number of dispensers available in Corps

other than the Royal Army Medical Corps has not been lost sight of.

Mr. Hohler also asked the Under-Secretary of State for War in regard to a statement made last December regarding the qualification of Corporal Heasman, employed as a dispenser at No. 2 London General Hospital, who has neither the pharmaceutical nor Royal Army Medical Corps qualifications.

Mr. Macpherson replied that during the present emergency it has been provided by an Army Order that, if a dispenser is not in possession of the qualifications required by the Standing Orders of the Royal Army Medical Corps, he shall have had three years' experience in the duties. The non-commissioned officer referred to is reported by the authorities of the hospital to have had this experience and to be a competent dispenser. He works under the supervision of a fully qualified pharmacist.

MILITARY SERVICE BILL.

The second reading of the Military Service Bill took place in the House of Commons on April 10. The Committee stage began on April 11. Clause 1 extends the obligation to military service to every male British subject up to the age of fifty-one, and in the case of medical men up to fifty-six. Other persons from fifty-one to fifty-six may be brought within the provisions by Order in Council. Sir Auckland Geddes, Minister of National Service, made a statement as to the method whereby it was proposed to call up the new men, the chief points of which were as follows:

Men liable to service will be called up over a protracted period. No man affected by the Act should take any action about receiving exemption from a Tribunal until he receives a notice to present himself for medical examination. Notice will be by proclamation (in the Press and by poster), stating that men of a certain age—e.g., forty-four—giving the year of birth, are going to be called up, and as to the day on which medical examination will take place. Men will then know what is their medical grade, and “it may be possible to tell them on the spot that there is no need for them to bother any more.” If a man is placed in Grade 3 it will be possible to say, “You will not be disturbed for the time being, and notification will be given before you will be disturbed.” In the case of a man in Grade 1 he will know that within so many days from the day on which he was graded he will require to lodge application to a Tribunal, if he wants to apply to a Tribunal at all. In the meantime he will receive his calling-up notice for service. If he has applied to a Tribunal, that calling-up notice will be without effect until the Tribunal decision has been received. If it is a decision of exemption, then, as at present, the calling-up notice will be cancelled and there will be exemption. If he is refused exemption, or does not intend to apply to the Tribunal, the calling-up notice will become operative.

Later on in the proceedings it was further explained that, beginning with the youngest men brought under the Bill, all the men will be examined straight through to the oldest. Individual notices will also be sent out for medical examination. Men in Grades 1 or 2 will be given seven days after knowing what their medical grade is, in which period they must make their applications, if any, to the Tribunal. If it is found possible to get young men into the Army, it will be possible “to go more gently with the older men.” Sir A. Geddes expects that the earliest possible date at which the machinery will be working will be “approximately twenty-one days after the passing of the Act.” A question was asked in regard to men with small businesses, who should have a reasonable time allowed in which to close up their businesses after the Tribunal has reported. The reply of the Minister was that “there is at present a system whereby a man goes to a Tribunal if he wants time, and the Tribunal say no extension if they think not, or if they do, fifteen, thirty, or sixty days, or whatever it may be, may be given.”

An attempt was made to lower the age for compulsory service from fifty-one to forty-eight, but the Government opposed it, and on division the word “fifty-one” was left in the clause by 262 votes to 152.

On April 12, the Government agreed to an amendment of the paragraph which provides for the calling-up by Order in Council of men between fifty-one and fifty-six. By this amendment this power cannot be exercised without first obtaining the consent at the time of the two Houses of Parliament.

During the discussion on the paragraph which raises the age of compulsion to fifty-six in the case of medical men, Sir Watson Cheyne stated that medical men will not raise any opposition whatever to this proposal. It appears, however, that professional Committees are to deal with claims for exemption, and that the power is sought with the

object of compelling medical men in excess of the requirements of the civil population to give their services to the Army. Clause 1 as amended was added to the Bill.

Clause 2, applying conscription to Ireland by Order in Council, was added to the Bill; and on April 13 Clause 3 was discussed, which gives power by proclamation to withdraw certificates of exemption in case of national emergency. This is the clause which gives power to make the "clean cut," the real object being, the Home Secretary said, to extend the cancellation to exemptions granted on personal grounds. Exemptions granted on medical grounds are excluded from the proclamation.

On Clause 4, dealing with provisions as to applications for certificates of exemption and as to calling-up, objection was taken to the wide powers which would be given to make regulations by Order in Council. Mr. Hayes Fisher, President of the Local Government Board, stated that it was intended to retain the Tribunal system, and the Government have no desire or intention to take away the present grounds for making applications for exemption. Those who are called up under the Act will have exactly the same grounds for application as regards serious hardship, domestic or financial, to the local Tribunals as had the men who were called up under the earlier Military Service Acts. At the same time, he said Tribunals must really harden their hearts. He indicated also that appeals and applications for re-hearing would only be allowed by leave of the local Tribunal and Minister of National Service. There will be but one application to the Tribunal, which will deal with both the man and his employer. Applications for renewal will in future be made solely by leave of the Tribunal which granted the exemption. Later in the evening, Sir A. Geddes stated that the older men would be employed in connection with the ground work of the Royal Flying Corps for balloon purposes, and with transport for the Royal Army Medical Corps, the Ordnance Corps, and the Garrison Artillery. The clauses and schedules were agreed to before the House rose. The Bill as amended was considered and read a third time on April 16.

Personalities.

MR. J. B. SHATTOCK, chemist and druggist, Secretary of the Lancaster and District Chemists' Association, has been appointed a sidesman of St. John's Church, Lancaster.

MR. THOMAS SWALES, druggists' sundriesman, Butts Court and Albion Street, Leeds, has been appointed people's warden at St. Chad's Church, Far Headingley.

MR. F. A. BLOOR, chemist and druggist, High Street, Longton, Stoke-on-Trent, has been elected a member of the Committee of the Longton Traders' Association.

MR. T. MALTBY CLAGUE, Ph.C., explained to the Newcastle Rotary Club the electrolytic method which he has devised, along with Sir Thomas Oliver, of extracting lead from the victims of lead-poisoning.

MR. WILLIAM ARKLE, chemist and druggist, Penny Street, Lancaster, has been re-appointed to the office of churchwarden at Christ Church, where he has served in this capacity for twenty-two years.

THE Rhyl Urban District Council has decided to ask Mr. Percy J. Ashfield, chemist and druggist, to continue to represent them on the North Wales Advertising Board (see *C. & D.*, March 30, p. 39).

MR. THOMAS CRITCHLEY, chemist and druggist, King William Street, Blackburn, celebrated his eighty-fourth birthday on April 15. Mr. Critchley is one of the oldest Blackburn tradesmen still in harness.

MR. J. J. BOOTH (Booth & Co., wholesale druggists), Idle, a Vice-President of the Bradford Chamber of Trade, has been nominated for election as a Vice-President of the National Chamber at the forthcoming Chester Conference.

DR. MENENDEZ ETCHEGOIN, of M. Etchegoin, Stabile & Meoli, Buenos Aires, and 231 Regent Street, London, W. 1, representatives of several British houses in Argentine, Uruguay, and Paraguay, is now in London, and can be communicated with at the address given above.

MR. A. JERROLD-NATHAN, C.C., chairman of Barclay & Sons, Ltd., Farringdon Street, London, E.C., was at a meeting of the Court of Common Council on April 11 elected to represent the City of London Corporation on the National Council for Child Welfare.

THE funeral of the late Mr. Thomas M. McNeil, chemist and druggist, St. John's, Newfoundland, who was drowned in a shipwreck on February 24 (*C. & D.*, March 23, p. 38), took place at the General Protestant Cemetery, St. John's, on March 9, and was largely attended.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

- (From "The Trade-marks Journal," March 27, 1918.)
- "EL TANQUE TODO LO AVASALLA" with picture of "Tank"; for chemicals (1) and (2). By Scriven Brothers & Co., 40 Weston Street, London, S.E. 1. 380,689/690. (Associated.)
 - "TEMPORITE"; for chemicals for tempering metals, etc. (1). By Automatic and Electric Furnaces, Ltd., 6 Old Queen Street, London, S.W. 1. 381,419.
 - Flag device with word "HERBULINE" and letters "M.F.G. Co.;" for an external medicine (3). By the Herbuline Manufacturing Co., 1a Abercromby Place, Edinburgh. 381,062. (Associated.)
 - "NOVAMIDON BRAND PHARMACEUTICAL PRODUCT"; for a medicine (3). "RHODIONE"; for perfumery (48). By Société Chimique des Usines du Rhône, 89 Rue de Miromesnil, Paris. 381,153. 381,155. (Associated.)
 - "LAXITON BRAND APERTIF REMEDY"; for medicinal chemicals (3). By S. F. Body, 167 High Street, Southend-on-Sea. 381,447.
 - "SEDACRINE BRAND HEMORRHOID REMEDY"; for medicinal chemicals (3). By Société Pharmaceutique du Louvre, 53 Chandos Street, Charing Cross, W.C. 2. 381,550.
 - Label with cross device and words "CROIX TRICOLORE COTON HYDROPHILE MEDICINAL" etc.; for medicated cotton-wool made in France (3). By B. Mulsant, Rue de la Quarantine 21, Villefranche-sur-Seine. 381,728. (Associated.)
 - "FRANSWICH" with device; for a toilet-preparation (48). By J. J. Smith, 74 Gloucester Street, Belgrave Road, S.W. 1. 381,144.
 - "AFA"; for perfumery (48). By A.F.A. Chemical Co., Ltd., 19 Hand Court, High Holborn, W.C. 1. 381,380.
- (From "The Trade-marks Journal," April 3, 1918.)
- "N. I. B"; for all goods (1). By N. Isherwood, Salop Street, Bolton. 381,891.
 - "ESTOL BRAND DISINFECTANT," for a disinfectant (2); "RAPIDOL BRAND PILLS," for pills (3). By F. C. Wood, 34 Oxford Street, W. 1. 381,257/256.
 - "SOTOL," for medicinal chemicals (3), surgical instruments, etc. (11), and for all goods (48); "WESDENCO" and cross-shaped device for surgical instruments, etc. (11) and for perfumery, etc. (48). By the Western Dental Manufacturing Co. (1914), Ltd., 75 Queen's Road, Bristol. 381,243, 381,244, 380,951 (associated), 381,241/242 (associated).
 - "RECTOBANE BRAND HÆMORROID REMEDY"; for medicinal chemicals (3). By Société Pharmaceutique du Louvre, 164 Rue Saint Honoré, Paris. 381,549. (Associated.)
 - "BADGE BRAND FOR PURITY AND VALUE" on circular device; for all goods (42). By Th. v. d. Bogaart, 87 Leeside Crescent, Golders Green, N.W. 4. 380,640.
 - "SCRENCE" and "LAEVUXIDE"; for goods (42). By Sugar Products Co. (Liverpool), Ltd., 6 Wrexham Street, Liverpool. 381,214/215.
 - "ARTOL"; for all goods (47). By H. M. Wells, Oil Works, Bloom Street, Salford. 381,753.
 - "PAPILIO"; for perfumery, etc. (48). By Sakae Ito, 6-9 Shiba Park, Tokyo, Japan. 378,723. (Associated.)
 - Picture of Father Christmas with sack bearing words "Children's Friend"; for all goods (48). By J. Hargraves & Son, Ltd., 81 Binns Road, Edge Lane, Liverpool. 381,569.
 - "VIDEBELLON"; for toilet-preparations (48). By Ethel S. Lucena, c/o The Capital and Counties Bank, Romsey, Hants. 381,701.
 - "CHRYSANTH"; for all goods (48). By J. J. Denton, Ltd., 7 Williamson Square, Liverpool. 381,821.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

55/27, "Newton" rat cheese	51/52, Bray's pills
48/70, Acheson's tooth-powder,	49/1, "Cano" feline remedies
47/57, "Windsor" hair-lotion	48/53, "Berato Cream Soap"

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Arsenobenzol in ampoules, 46/7	Kennedy's "Medical Discovery,"
"Artoral" dentifrice, 259/44	16/45
Atophan substitute, 13/3	Lethal chambers for dogs,
"Bromone" (Robin), 204/58	11/71
and 253/27	"Little Victor" inhaler, 15/55
Fletcher's "Castoria," 221/56	Osborne's epileptic remedy,
Fortax, 5/68	29/50
Fournier's hygienic mixture,	Ovaltine, 9/61
200/72	Ox gall, 15/54
Herrick's vegetable coated pills,	"Oxien" tablets, 23/14
16/45	"Pazo" ointment, 22/51

Observations and Reflections.

By Xrayser II.

The Accounts of the Pharmaceutical Society,

as set forth in the Annual Statement, are as difficult as ever to check. Your table of expenditure for 1916 and 1917 in parallel columns makes comparison between the two years easy, but of course carries us no further. Both expenditure and income have decreased considerably in the past year, and, as far as one can judge, in reasonably fair proportion. The expense of the "Journal," too, is rather less, but this is about balanced by increased cost of postage due to increased membership. Putting the cost of production and postage together, we get the large total of 3,287l. 18s. 8d., very much the largest item in the account; indeed, taken singly, either of these items exceeds any other single one except clerks. It is, no doubt, an advantage to have an official organ, yet one cannot but ask whether we are not paying too dearly for our whistle. It costs altogether more than four times what the examinations (including incidental expenses) do, more by over 1,000l. than the School of Pharmacy (including the new Bacterial Laboratory); more than three times what is spent on the whole North British Branch; and within about 225l. of all we pay in Secretarial salaries, Librarian's salary, Curator's salary (in each case including incidental expenses), wages and incidental household expenses. This is not an attack on the "Journal," which for both historical and personal reasons I regard with great respect, but I question whether its value to the Society or to individual members is commensurate with what it costs.

Mr. Neathercoat's Programme

is admirable in tone and style, but Mr. Neathercoat is an out-and-out advocate of things as they are, and things as they are will not do. He proposes, indeed, to improve them, but he would apparently retain every feature of our present system unaltered as regards essentials. That blessed word "reconstruction" is a mere *placebo* as he uses it; before we can reconstruct an edifice we must take it down, whereas all he aims at is to repair and repaint it, and possibly to rearrange to some extent its interior accommodation. This he would do by a revision of our organisation—retaining, however, all the incongruous elements that no ingenuity has yet been able properly to co-ordinate. He believes that the Society can and does protect our business interests; he believes that the Local Associations and Pharmaceutical Committees could be linked up with the Society by "some form" of territorial representation (forgetting that the link between the Local Associations Executive and the Society is too close already); and he holds that a further improvement in the terms of our agreement with the Insurance Commissioners must be effected before our legitimate demands can be met. Startling as this last-named article of his creed is, it will be seen that Mr. Neathercoat is the typical moderate man, who lets "I dare not" wait upon "I would," and that he is too deeply committed to the present order to be a pioneer of progress even in theory.

The "Curious Piece of Byplay" at Bloomsbury

which you expose in your leader of last week is a good illustration of the manner in which the Council habitually deals not only with our trade interests, but with our professional obligations too. It rarely if ever takes the initiative, but has to be pushed into action by outside pressure, which usually, as in this case, it afterwards ignores, or, as sometimes happens, discredits. It is high time we had a more enlightened, a more alert, and, I will add, a more straightforward Council; and now is the time to ensure it so far as our electoral system will let us. I hope the incident will stimulate antagonism to "the old gang," and lead to the infusion of new blood in sufficient measure to bring about an improvement.

I Read with Great Interest

the letter of Mr. Samuel Hogg, of Belfast, in your issue of April 6. The scheme of three examinations, for apprentices, assistants, and licensees respectively, is precisely what was provided for by our own Charter, in which apprentices, associates, and pharmaceutical chemists are the three grades contemplated, and the intermediate class, the associates, are assistants. So, too, in the Pharmacy Act of 1852. "Associate" and "assistant" are there used as convertible terms, and the intermediate examination was an assistants' examination. Not until 1868 was it made a statutory qualification for keeping open shop as a chemist and druggist, the higher examination (the Major) being thereby made simply a pass to an empty title. It was hardly that before, for when the pharmaceutical chemist was the only person with a statutory right to the title of chemist he was much more distinctly marked off from the common herd than he is now. I am not advocating a return to the original scheme, but apparently your correspondent desires something like it in Ireland. Incidentally I am glad to find him in favour of an assistants' examination, the opposition to which in this country seems to me unintelligent and selfish.

The Series of Lectures on Methods of Business

arranged by the Progressive Pharmacy Club suggests a happy thought. We are all seeking for some organised body to look after our business interests. Mr. Neathercoat says this is the Council's job; Mr. Currie says it isn't; Mr. Hines thinks the Local Associations Executive should do it; Mr. Hugo Wolff thinks it shouldn't. No wonder a good many supporters are found for Mr. Bernard Ellis's so-called trade-union proposal, and less wonder still that our business interests are so woefully neglected. Well, here is the P.P.C., full of zeal and ideas, unhampered by "professional" bonds, and at least partly organised for action. Why should not it step into the breach? A standing Business Committee elected by all its members would surely be a more efficient instrument for our purpose than the Pharmaceutical Council has ever been, or than its morganatic spouse the L.A.E. will ever be. It may be said that the Club embraces but a small section of the trade, but that can easily be altered. Let it once embark on this enterprise, and show itself competent, and it will speedily embrace the whole craft.

The Man-power Bill

is naturally causing a good deal of excitement, not to say alarm, among chemists, for it threatens not only assistants, but men in business themselves, as they have not been threatened hitherto. Should it be applied to us more strictly than existing service Orders have been, it will not only mean an increased dearth of qualified assistants, greatly intensifying the difficulties of carrying out our contracts as panel chemists, but will necessitate the entire closing of many businesses. I have heard more than one friend in my immediate neighbourhood declare that if deprived of such assistance as he at present has he must at once give up Insurance work, and it is certain that the supply of medicines under the National Insurance Act cannot be efficiently continued if our staffs are much further depleted, to say nothing of what would happen if a good many of our shops had to be closed. There is, I hope, no great likelihood of either at present, and it is foolish to perturb ourselves over what may never occur. There is a possibility (but no immediate probability) of further trouble for us, and the effect it would have upon the administration of the National Insurance Act ought to be made unmistakably plain to the Government. The hardship to ourselves we may regard as negligible—we share it with every class of workers—but there is no class whose work is so necessary as ours to the maintenance of the public health, upon which our national life itself ultimately depends.

QUININE in any form which is imported into Peru for use in combating malaria is to be admitted free of import-duty, port dues, and any other Customs charges.

**BRONCHITIS, ASTHMA, COUGHS,
INFLUENZA, &c.**

"SANITAS-INHALANT"

Is now being advertised, and should be stocked
by all Chemists.

2s. 6d. BOTTLES.

*Most Effective Remedy for all Lung and
Throat Affections.*

**The SANITAS CO., Ltd.,
Limehouse, LONDON, E. 14.**

BRITISH ABSOLUTE ALCOHOL

Jas. Burrough Ltd. D.1. Cale Distillery, Hutton Rd.,
LAMBETH, S.E. 11

SACCHARIN TABLETS

FULL STRENGTH.

IN SUPERB ENVELOPE PACKING

(Write for Specimen)

Enabling you to Sell at Much Under
the Price of Bottled Tablets.

PRICES.

ENVELOPES containing 100 Tablets. **1/2**
Fixed Selling Price ... per packet **1/2**
Cost price 11d.

ENVELOPES containing 200 Tablets. **2/3**
Fixed Selling Price ... per packet **2/3**
Cost price 1½d.

ENVELOPES containing 500 Tablets. **5/4**
Fixed Selling Price ... per packet **5/4**
Cost price 4½d.

The above Retail and Wholesale Prices are 1d.,
2d., and 5d. respectively under the fixed prices for
the same tablets in bottles.

*Push the Sale of the ENVELOPE Packing to
the greater satisfaction of your customers
and yourself, they afford you at these lower
prices identically the same amount of profit.*

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**FRENCH AND ALL FOREIGN
Proprietary MEDICINES**

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49, HAYMARKET, LONDON, S.W.
Export and other Buyers should apply for a List.
Foreign prescriptions dispensed for Pharmacists.

A n announcement of particular
interest to you appears in
this issue on page 30.

NOTICE TO THE TRADE

ADVANCE IN PRICE OF "PYLITNA" POWDERS.

We hereby give notice that the Retail price of
"PYLITNA" Powders, Ointments and Tablets is
5/- per box.

After deducting extra sixpenny duty stamp, old stock
will show, at 5/-, a retail profit of 2½d per box, if bought
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*Fletchers' Concentrated liquors,
offer a perfect alternative to the discarded
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Editorial Articles.

Science in Education.

THAT some good at least is likely to result from this evil war is evident from the need already universally recognised for greater attention to the teaching and application of science. In August 1916 Mr. Asquith appointed a Committee of scientific men, with Sir J. J. Thomson as Chairman, to inquire into the position of natural science in the educational system of Great Britain, and the Report of that Committee has just been published. As might be expected, it has covered the ground very thoroughly. Besides examining over sixty witnesses, selected from the Board of Education, the Scotch Education Department, the Admiralty, the War Office, the Civil Service Commission, numerous Educational Associations and Institutions, and medical experts, it received written communications from representatives of chemistry, engineering, metallurgy, and geology. The Committee also addressed questionnaires to public schools, chemical-manufacturers, representatives of agriculture, Universities, and University Colleges.

The medical witnesses included Sir Donald MacAlister and Dr. Norman Moore (representing the General Medical Council), and Miss Aldrich Blake, M.D., and Miss W. Culliss (from the London School of Medicine for Women). The chemistry representatives were Dr. C. Carpenter, Dr. M. O. Forster, Professor P. F. Frankland, and Dr. A. Scott. Apparently no representative of pharmacy was called, but the Pharmaceutical Society sent a memorandum on "A Compulsory Course of Training for Pharmacists." In this memorandum the Society, after explaining the purpose of the statutory regulations and the requirements precedent to taking the Minor examination, state that "some 500 candidates present themselves yearly for the Qualifying examination, but from lack of proper systematic training in pure and applied science the percentage of failures is high. A footnote to this statement asserts that during the years 1903 to 1913 the percentage of failures ranged from 48.7 to 68.4, while the percentage of failures among candidates who had attended the Society's School averages about 25. It is also pointed out that the majority of the candidates attend one or other "of the numerous private schools that have sprung into existence for the purpose." With a view to securing a satisfactory course of training the Society suggested :

(a) "That in place of the multiplicity of certificates from various examining bodies now recognised as evidence of general education, a State-conducted or State-controlled examination should be instituted for which scholars at secondary schools should present themselves at the age of about sixteen."

(b) "That candidates for the Qualifying examination should be required to undergo a systematic course of study in pure and applied science at an institution or institutions properly equipped as regards both teachers and facilities."

With regard to (a) the Committee consider that the First School examination (which they describe), and the certificate of general education which it will provide, would meet the Society's requirements. Then :

With regard to (b), we see no reason why the Society should not make it a condition of entry for the Qualifying examination which they conduct that candidates must have attended schools or institutions approved for the purpose. For those pupils who began their apprenticeship before the age of eighteen and without completing a full secondary school course or presenting themselves for the Second School examination, it will be necessary to arrange that they should receive instruction both in pure and in applied science during and after their apprenticeship. There is a very considerable number of technical schools at which suitable courses in pure science are already available, and any deficiency that may exist in particular localities should be brought to the notice of the education authorities concerned. We suggest, further, that when intending pharmacists who have passed the First School examination obtain further instruction in the pure sciences by remaining for the period of sixteen-eighteen at a secondary school, assuming it is suitably staffed and equipped, and pass in these sciences in the Second School examination, this should be accepted as satisfactory evidence of the knowledge of these subjects required in the Qualifying examination. These pupils would begin their apprenticeship at eighteen, and would in the course of it obtain the necessary instruction in applied science at approved technical or other institutions providing classes in pharmaceutical subjects. We understand that the number of technical schools providing full-time or part-time instruction in pharmaceutical science could without much difficulty be increased to twenty or more.

Another, but more laconic, footnote to this section of the Report, referring to the word "chemist" as used in the Society's memorandum, states that :

"Our attention has been called to some inconvenience being caused by this nomenclature."

Careful readers of THE CHEMIST AND DRUGGIST will recognise the "hidden hand" which induced that significant sentence. Sixteen firms of chemical manufacturers, "including some of the largest in the country," replied to the questionnaire. In a large number of answers special stress was laid on the value of general chemical education rather than on the possession of detailed knowledge of the particular process of the factory. The principal conclusions of the Committee are to the effect that natural science should be included in the general education of all up to the age of about sixteen, that the tests of such a

course (recommended in the Report) should with necessary modifications be accepted as the normal qualification for entrance to the Universities and professions. There is need for a revolution in the public attitude as regards the payment of teachers and the importance of their training, for more scholarships, and for compulsory State inspection of all schools. The requirements for secondary schools, elementary schools, technical schools, medicine, engineering, agriculture, the Army, the Home and India Civil Services, the Universities, and for the supply of trained scientific workers are indicated separately but concisely. Altogether a valuable and suggestive piece of work, likely to have a beneficent influence on the application of science to industry in the future.

Sugarless Effervescents.

THE increased supplies of saccharin at more moderate prices make it now possible to use saccharin as a sweetener in effervescent preparations, the demand for which will increase with the advent of spring. The unsweetened effervescents which have been offered in certain quarters have not met with a ready acceptance by the public, and if the trade in these preparations is to be retained it is necessary that the substitute should resemble the original article as nearly as possible. On this account we publish the following recipes which were devised by Professor John Attfield some years ago :

SODIUM CITRO-TARTRAS EFFERVESCENTS (So-called Citrate of Magnesia).

Sodium bicarbonate	...	...	17 oz.
Tartaric acid	...	...	9 oz.
Citric acid,	...	...	6 oz.
Saccharin	...	...	8 gr.

Mix the powders thoroughly, place them in a dish or pan of suitable form heated to between 200° and 220° F., and when the particles of the powder begin to aggregate stir them assiduously until they assume a granular form; then by means of suitable sieves separate the granules of uniform and most convenient size and preserve the preparation in well-closed bottles.

The usual dose of this saccharinated preparation is one to two small teaspoonfuls, it being somewhat stronger than the article containing sugar. The formula given above would in the ordinary way include five ounces of sugar, and part at least of this bulk may be made up by employing dried sodium sulphate, but as this increases the activity of the preparation the dose is best kept at the quantity stated above. For summer trade the following are useful :

Ginger-beer Powders.

A.

Ginger in powder	60 gr.
Sodium bicarbonate	300 gr.
Saccharin	... 4 gr.
Oil of lemon	... 8 min.

Mix thoroughly. Divide into twelve equal portions, wrapping each in blue paper.

B.

Tartaric acid (in powder)	... 360 gr.
Divide into twelve equal portions, wrapping each in white paper.	

Directions : As for ginger-beer powders.

Lemonade Powders.

A.

Sodium bicarbonate	300 gr.
Saccharin	... 4 gr.
Oil of lemon	... 15 min.

Mix thoroughly. Divide into twelve portions, wrapping each in blue paper.

B.

Tartaric acid (in powder)	... 360 gr.
Divide into twelve equal portions, wrapping each in white paper.	

Directions : As for ginger-beer powders.

Sherbet.

Sodium bicarbonate	5 oz.
Tartaric acid	... 5 oz.
Saccharin	... 24 gr.

Dry the bicarbonate and acid separately. Mix the dry saccharin with the dry bicarbonate, and add—

Oil of lemon ... 60 min.

Add the tartaric acid and mix. Preserve the sherbet in a dry, well-corked bottle.

In regard to the use of saccharin in place of sugar, the question of its alleged harmfulness is still being raised by

people who are unmindful of the fact that saccharin was exhaustively tested physiologically over thirty years ago and found to be harmless to the human economy. For many years saccharin has been employed in aerated waters and as a sweetening agent in diabetic dietary without ill effect. Within the past two years larger quantities have been consumed than ever before, and so far no case has been brought forward of any harm that has resulted.

Mistura Olei Ricini.

A CORRESPONDENT calls our attention to the omission of *mistura olei ricini* from the list of preparations of the British Pharmacopoeia (*C. & D.*, April 6, p. 43) which may be modified. We had overlooked this mixture, which is not surprising, seeing that, as our correspondent reminds us, it is very seldom ordered in prescriptions or sold retail. The inclusion of castor-oil mixture does, however, give direct authority for the use internally of "neutralised seconds castor oil," and on that account the inquiries we made as to the suitability of the oil for internal use may be taken as a confirmation of the official view.

The Spelling of Saccharin.

IT is a little late in the day to suggest that saccharin is an unsuitable name for benzoic sulphimide, but at least we hope that chemists will spell the word without a final "e," and thus in a trifling degree help to prevent the public attributing the food-properties of sugar to what is only a flavouring agent. Professor Attfield invented the name gluside for this substance for pharmacopeial use, but the attempt to introduce the name has failed. Another suggestion which Professor Attfield made, and which stands a better chance of meeting with public approval, is to call the substance neosaccharin (new saccharin). The use of this name, with an explanation that it indicates the purest form of saccharin, has commercial possibilities.

Flour and Starch Regulations

UNDER the Flour and Bread (Registration) Order, 1918, which comes into force on May 1, persons who retail flour must be holders of a certificate of registration. Although the title of the Order includes bread there is no reference, so far as we can see, to this product in the Order. The point upon which we have been asked is as regards the sale of gluten bread and gluten flour. Chemists who sell gluten bread are not required to register, but where gluten flour is sold for use in diabetic cookery the retailer must apply for registration to the Local Food Committees. These Committees will, after April 23, be in possession of all particulars on this subject, and in cases of difficulty our readers should make inquiries locally. Potato-starch is at last brought within the meshes of the Defence of the Realm Regulations. The Potato (Restriction) Order, 1918, which came into force on April 15, states:

(a) Except under a licensee of the Food Controller no person shall after April 15, 1918, use or treat any potatoes or any product obtained from potatoes or any article containing potatoes or containing any such product except for the purposes permitted by this clause.

(b) The permitted purposes, in the case of ware potatoes which are fit for human food, are seed or human food, and in all other cases are seed, human and animal food, and the manufacture of articles of human and animal food, but do not include the manufacture of spirits.

(c) Nothing in this clause shall prevent the use or treatment for any purpose of potatoes or products of potatoes or articles containing potatoes or containing any such product which are unfit to be used for any of the permitted purposes.

To ensure the complete control of all starch foods the Royal Commission on Wheat Supplies require, on and after April 29, a declaration of all imports and stocks (above certain quantities) of

all cereals, cereal-flowers, starches, glucose, dextrin, farina, and all products of cereals, all tapioca, sago, manioc, cassava, mandioca, arrowroot, pulse and all products of same, and potato-flour, starches, farina and suchlike products.

The Department dealing with the matter is the Ministry of Food, Royal Commission on Wheat Supplies (Flour and Bread Section), 2 Waterloo Place, London, S.W. 1.

Council Candidates.

III.

WE have asked the twelve candidates for seats on the Council of the Pharmaceutical Society at the election in May to favour us with their views on pharmaceutical matters. The series began in our issue for April 6.

Mr. Thomas Guthrie.

Qualified in 1886, and is in business in Clydebank, Glasgow. Connected officially with the Glasgow and West of Scotland Chemists' Association, a member of the Scottish Advisory Committee on Insurance, Chairman of the Pharmaceutical Standing Committee (Scotland) and of the General Council of Panel Chemists. A founder and first President of the Chemists' Friendly Society, and Chairman of the Clydebank Pharmaceutical Committee. Has been a member of the Council of the Pharmaceutical Society since 1916, but has had long experience of the Society's functions as a member of the North British Branch Executive.

I am a believer in organised union, therefore a believer in a numerically and financially strong Pharmaceutical Society. In the past my aid, whenever possible, has been given to this end; so will it be in the future. We are 10,000. I hold that with still more "push and go" (particularly in connection with the details of organisation) that number can be substantially increased, and with its increase, many present real difficulties will disappear.

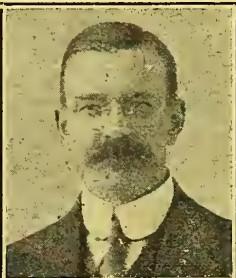
I am a believer in progress in pharmaceutical education, commensurate with the general educational advancement, and with the facilities for training our youth which exist or may be brought into being by new legislation. The Council's scheme for the introduction of the curriculum principle on lines equitable to the student has, therefore, my warm approval. I am not certain that a desire exists in any really influential quarter to attempt the severance of the person qualified under the Pharmacy Acts from his legal title "chemist." Should a proposal of the kind arise, I would strongly resist. I desire to give the most sympathetic consideration to the cases of our apprentices, assistants, and others at present serving the country in arms. The return to their civil spheres, on demobilisation, must be effected with—to them—the minimum of irksomeness and loss. I am with those who are pressing for the better recognition of pharmacy in the Services, and am hopeful that a satisfactory result will soon be attained. I believe in the wisdom of the Council keeping in as close touch with its electorate as possible, and therefore I am opposed to any unnecessary secrecy. On National Health Insurance matters there is, to my mind, only one sound policy—continue to perform our service to the insured faithfully and well, and on that foundation maintain united pressure until adequate terms of remuneration have been secured.

Mr. John Keall.

Qualified in 1898, and is in business at 69 West Hill, Wandsworth, and at 241 Elgin Avenue, Maida Vale, W. Was the first President of the S.W. London Chemists' Association, and Chairman of the London Pharmaceutical Committee. Became a Councillor of the Pharmaceutical Society in 1915.

I am in favour of strenuously holding our title "chemist," whatever the strength of the attack and from whatever quarter. In Insurance dispensing a persistent claim should be made for the removal of the "mile-limit" disability, and continued pressure exerted to obtain improvement in National Health Insurance remuneration.

Vigorous safeguarding of our varied interests during the process of reconstruction; satisfactory recognition of the pharmaceutical service in the R.A.M.C.; strong claim for the utilisation of the pharmaceutical service in any Ministry of Health legislation; and a more insistent action in the commercial affairs of pharmacy. My twenty years in business on my own account, together with

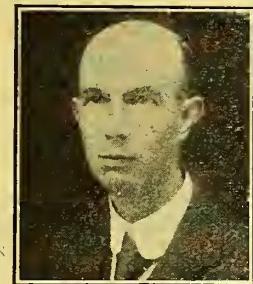


additional experience on the Council of the Proprietary Articles Trade Association and as a director of the Chemists' Defence Association, causes me to solicit the votes of my fellow-members with some degree of confidence as one of themselves who is fully alive to the trials and problems of retail pharmacy.

Mr. Clement W. Ridyard.

Qualified in 1898, and has carried on business at Codnor, Derbyshire, since 1904. Is a member of the Local Associations Executive and of the Derbyshire Insurance Committee. Is Secretary of the Derbyshire and Ilkeston Pharmaceutical Committees.

My objective is clear and definite. It is the betterment of pharmacy for the rank-and-file of British pharmacists—"Pharmacy for the Pharmacist." The problems ahead, which I need not detail here, appear to me not as obstacles to be surmounted with the utmost difficulty, but rather as opportunities for good in the march of progress. Local efficiency during the past few years has made constant and important progress, yet greater efforts still are necessary, and should be forthcoming; moreover, our organisation requires perfecting until instinct with life before we can achieve our purpose. I believe the Federation of our Local Associations, within specified areas, is necessary for business, Insurance, and conference purposes; and this would have my vigorous support. Probably the biggest need of pharmacy to-day, however, is decentralisation, which it is my great desire to see brought within the sphere of practical politics. Under the above conditions I should expect pharmacy to advance—body and soul. By body and soul I refer to the business and professional elements of our calling. Both should be developed simultaneously along scientific lines, for business itself becomes a science to-day when "systemised" by modern methods. Time would thus become available for the cultivation and development of scientific pharmacy by the retailer, which it is to be regretted the Council have not done more to encourage, and which, in my opinion, is one of the main problems or opportunities before the Society at this moment.



Miss Margaret E. Buchanan.

The first woman candidate for a seat on the Council was educated under Miss Buss and Mrs. Bryant, D.Sc., at the North London Collegiate School for Girls, and apprenticed to her father (a medical man) and Mr. and Mrs. Kerr, pharmacists, Bruton Street, London, W. Passed the Major in 1886, and obtained the Society's silver medal. Founded the Association of Women Pharmacists, trains women to become pharmacists, and carries on a dispensing business at Clapham Common.

Permit me to point out three especial grounds on which I would request the support of members in my candidature:

(1) As a retail chemist and a member of the South-West London Chemists' Association, I am naturally interested in those current questions—political and business—which bear so much upon our well-being. In particular, I am prepared to insist upon the fair treatment of pharmacists as contractors under the National Insurance Act; also to maintain our just and legitimate claim to the title "chemist," which is closely associated with us in the public mind, and therefore much too valuable an asset to be bartered away. On the question of "face-values," I am of opinion that the protection of the advertised prices of proprietaries is a too-long

delayed reform, and the movement in this direction will have my hearty support as tending to the great simplification of business, over and above the financial advantage to be gained.

(2) As an educationalist of long standing, with much experience in the training of both pharmaceutical and medical students, I am assured of the desirability of regu-

larising the training of pharmacists and ensuring that it shall comprise both scientific and trade elements, the two being alike necessary to our craft. At the same time, a one engaged in retail business, I desire that required changes shall come about gradually, and that every facility for qualification shall be given to those now serving with the Colours.

(3) As a representative of the women in pharmacy, who now number some hundreds, I am in favour of equal training, opportunity, and responsibility for both sexes in our craft. I have been President of the Association of Women Pharmacists for several years, and have always worked for the incorporation of women into pharmaceutical life, urging them to join the local Associations and the parent Society, and in every way possible to take up their fair share of the responsibilities devolving upon pharmacists.

If I should be successful at the forthcoming election, I shall go forward as a Progressive, though not as a Revolutionary. I am anxious to conserve all that is best in our organisation, and to embark upon no reforms until after due and sufficient inquiry, but am firmly of opinion that the best interests of pharmacy require much to be done in the direction of reconstruction.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

BLOEMFONTEIN PRICES.—Stocks are difficult to procure and prices continue to rise. The actual cost-price of cotton-wool is 4s. per lb., lint 5s., and boric lint 4s. 9d. per lb., and other lines in proportion.

BUSINESS IN DURBAN during the past few months has been extremely good, the large number of troops passing through the town helping to keep retail pharmacists busy. Photographic materials in particular are in good demand, and local supplies have been well maintained.

GLYCERIN AND DYNAMITE.—The Minister of Mines at Johannesburg has made a statement with regard to the output of glycerin in the dynamite-factories in South Africa. He announces that the output is now restricted to 350 tons per month, as compared with a former manufacture of 500 tons, and predicts that the mines will have to be rationed, the amount of dynamite being calculated according to their production.

THE YEAR'S DRUG AND CHEMICAL EXPORTS.—Complete returns, which have just become available, show that the imports of drugs, chemicals, and apothecaries' wares into the Union of South Africa during 1917 amounted in value to 1,900,606L, against 1,164,077L in 1916. The value of medicinal preparations imported was 122,308L, against 133,215L in 1916, and the value of apothecaries' wares fell from 127,446L to 77,110L last year.

DYES FROM WATTLE.—Experiments conducted by Mr. James Weddell, of Natal, for the purpose of ascertaining the value of wattle extract for dyeing-purposes have so far proved successful that he claims to have obtained some thirty shades, ranging through browns, drabs, greys, and fawns. The secrecy which formerly surrounded the German dyes has been denounced by manufacturers as a myth, and it has been found that equally fast dyes can be obtained from several woods with permanent effects. [Since the war large and increasing quantities of wattle-bark have been shipped to Britain from South Africa.—ED.]

BUSINESS CHANGES.—There have been numerous business changes in the Cape Peninsula during the past few months. Mr. T. J. Hughes, of Gardens, Cape Town, has purchased the neighbouring pharmacies of Harrys, Ltd., and Mr. Alex. Pirie at Green Point. The former business has been closed, and the latter is under the management of Mr. W. Asher.—Hopkins & Co., of Woodstock, have purchased the pharmacy of Mr. J. R. Chippendale at Wynberg. This firm now controls six pharmacies.—H. Peck & Co. have opened a new pharmacy in Long Street, Cape Town, at the premises formerly occupied by Mr. Aitken.—Mr. James Moore, of Cape Town and Sea Point, has acquired a fourth establishment, having taken over Mr. G. W. N. Oldham's Muizenberg business.—In the country districts Mr. Dawson has taken over Mr. Michael's pharmacy at Robertson, and Mr. Aitken, formerly of Cape Town, has established himself at Beaufort West.—Mr. J. Austin Thomas, who owing to a breakdown in health had to leave Cape Town last September, has now sufficiently recovered in health to open a pharmacy at Ladybrand, O.F.S.



Associations' Winter Session.

Association of Certificated Dispensers. The twelfth annual meeting was held in the Court Room of the Apothecaries' Hall, London, on April 11, Mr. M. G. Smith, F.C.S., presiding. The report and balance-sheet were adopted, and in the discussion which followed much dissatisfaction was expressed at the neglect by the Society of Apothecaries of the interests of its diplomates. It was also suggested that the present shortage of chemists afforded a favourable opportunity for pressing the claims of the Apothecaries' assistants to further recognition by the Pharmaceutical Society. The various grievances are to be laid before the parent Society.

Blackpool.—The monthly meeting of the Blackpool and Fylde Pharmacists' Association was held on April 5, Mr. Blackhurst in the chair. The Secretary read a letter from the proprietors of Bate's salve to the effect that the salvo as now sent out by the makers is free from lead. The Secretary read a letter from the Face Values Committee, urging the importance of unity of action in regard to face values. It was resolved to support the Face Values Committee. The President then called on Mr. J. G. Tringham (of Ayrton, Saunders & Co., Ltd.) to give a paper on *The Art and Part of Publicity*, which gave rise to a discussion, after which a vote of thanks was given to the lecturer.

Edinburgh.—The annual business-meeting of the fortieth session of the Edinburgh Chemists', Assistants', and Apprentices' Association was held in the Pharmaceutical Society's House, 36 York Place, Edinburgh, on April 10. Mr. Henry Stout, Ph.C., in the chair. The Secretary's report and the Treasurer's financial statement (showing a balance in hand of £1. 19s. 2d.) were adopted, and the two officers were thanked. In acknowledgment of the privilege of meeting in the Pharmaceutical Society's House, it was unanimously agreed to give a donation of 1l. 1s. to the Benevolent Fund. It was also agreed to send a special letter of thanks to Mr. James Adamson, who had filled the presidential chair for four sessions. The following office-bearers were elected for the ensuing year: *President*, Mr. Henry Stout, Ph.C.; *Vice-President*, Mr. Henry W. Blair; *Hon. Secretary*, Miss Margaret C. Boag; *Hon. Treasurer*, Mr. Thomas Smith; *Committee*, Misses Findlater, Ingram, and Wallace, and Messrs. Currie, Glass, Macfarlane, McIntosh, and Tait; *Prize Committee*, the President, Vice-President, and Secretary, and Messrs. Nightingale, Smith, and Tait. Mr. J. Tait, Ph.C., then read a paper entitled *A Few Notes on Bacteriology—Theoretical and Practical*. This was illustrated by various apparatus, including a beautiful set of cultures and a number of microscopic slides. Mr. Tait also gave a practical demonstration of a typical method of staining bacteria. On the motion of the Chairman, a cordial vote of thanks was awarded to Mr. Tait.

Essex.—The annual meeting of the County of Essex Association of Pharmacists was held on April 11 at 17 Bloomsbury Square, when the retiring President (Mr. T. England) reviewed the work of the year, pointing out that the initiative sprang from Essex County in agitating for a veterinary section of the Chemists' Defence Association, now an accomplished fact, as also that the more satisfactory retail prices for copper sulphate were the outcome of the spadework put in by the Essex Committee, who tackled the Ministry responsible. He could not agree with the Pharmaceutical Council's policy of electing Mr. Glynn-Jones to the office of Secretary if they were unable to come to terms for it to be a whole-time appointment. It was quite within the range of possibility that the Council might request the Secretary of Council to interview the chief officer of the Proprietary Articles Trade Association upon some question—a Gilbertian touch. The officers elected for the ensuing year were: *President*, Mr. Rundle (Walthamstow); *Vice-President*, Mr. Nicholls (Chelmsford); *Hon. Treasurer*, Mr. J. H. Matthews (Leytonstone); *Hon. Secretary*, Mr. C. Goode (Poplar). A vote of thanks was accorded to the retiring President (Mr. England); and after thanking the Treasurer (Mr. Holloway) for his services, the new President called upon Mr. Harold Miller (Cheltenham) to address the meeting. It was essentially a business address from a business man. Mr. Miller pleaded that the successful man must possess certain qualities, not the least being health. He urged chemists to strive for an increased scope of business, making their work yield to them a share in the best things of life, and so helping them to maintain health and giving them a clear vision in handling the larger business problems which their energy opened out. His next attribute was level-headedness, a virtue he conceded was held by most chemists, largely discounted, however, by the lack of the third essential

quality—pluck. He emphasised his point by following the career of company pharmacy, and asked his hearers to absorb these virtues, stating that by so doing the sting would be taken from company pharmacy and chemists really come into their own. The keen interest taken by the members was shown by the severe heckling he received. Mr. Hind (Leicester), Mr. Hampton (Birmingham), and a Liverpool visitor gave their views, and a vote of thanks was accorded to Mr. Miller. A resolution was passed urging the C.D.A. to give the country chemists benefits including veterinary risks for the single fee.

Exeter.—The Exeter and District Pharmaceutical Association met on April 15, Mr. Eric Lemmon presiding, when dissatisfaction was expressed at the rate of profit yielded by Allen & Hanburys' preparations, and the Secretary was instructed to request the Proprietary Articles Trade Association to take up the matter. The letter from the Face Values Committee was discussed, and a resolution was carried to the effect that "although recognising that 'face-value' might in many ways be a convenience, the Association is more concerned about a reasonable rate of profit, and wish to support the P.A.T.A., which has achieved remarkable success in this direction." It was decided to support, as an Association, the re-election of the six retiring Pharmaceutical Councillors, and to leave members a free choice as to voting for a seventh nominee. In reply to a question by Mr. Harris, Mr. Rowsell said that Mr. Glynn-Jones had peculiar qualifications for the office of Secretary to the Pharmaceutical Society: he possessed a practical knowledge of the conditions of the profession, experience in the office as one who had shared the work with the retiring Secretary for two or three years, and Parliamentary experience. He was also in touch with nearly all the Government Departments, and there was nobody better calculated to serve the craft well.

Hull.—Mr. L. S. Selle presided over the monthly meeting of the Hull pharmacists on April 16. It was reported that about 10z. had already been received in subscriptions to the After-Care Colony at Walkington. Mr. Pilkington Sargeant, Leeds, then gave an address on pharmaceutical politics. Mr. Snowden, proposing a vote of thanks, said that until the status and remuneration of the chemist was raised they could not expect to obtain apprentices.

Liverpool.—The Liverpool, Birkenhead, and Wallasey Associations gave a joint smoking-concert at the Exchange Station Hotel, on April 10, in aid of the Pharmaceutical Society's Benevolent Fund. Mr. Wm. P. Evans presided, and the attendance numbered about 170, including visitors from Bolton and other distant towns. The Chairman opened the proceedings, and Mr. J. W. Deakin made an eloquent appeal for support of the Fund, for which, on the suggestion of the Chairman, he was warmly acclaimed. Mr. L. Moreton Parry, on behalf of the Benevolent Fund Committee, thanked the gathering for its support, and Mr. John Jones expressed the thanks of the Concert Committee for the generous response to its efforts. The highly enjoyable entertainment was under the direction of Mr. A. E. Beattie, the other contributors being Messrs. Richard Hughes, E. T. Williams, Tom Derbyshire, and R. G. R. Scogn. Mr. R. G. Eacott (formerly of Ayrton, Saunders & Co.'s staff), who had journeyed from Sittingbourne specially to attend the concert, gave an auxiliary "turn," his stories and songs reviving recollections of his services to the Liverpool Association in former years. The total amount subscribed and collected for the Fund was 75l. 15s.—a record sum. This gratifying result was mainly due to the efforts of the Presidents and Secretaries of the various Associations and of Mr. John Jones, Hon. Secretary of the General Purposes Committee of the Liverpool Association.

London (W.).—The monthly meeting of the North London Pharmacists' Association was held on April 11 at the Progressive Pharmacy Club, the Vice-President (Mr. J. C. Carter) in the chair. The Secretary gave a full account of all the regulations which had been issued since the last meeting, together with the regulation of the prices of various articles. The surplus-stock list was also circulated. Letters were read from Miss Buchanan, Mr. T. Guthrie (Glasgow), and Mr. Campkin (Cambridge) on the forthcoming Pharmaceutical Council election, and Mr. Kirkpatrick addressed the meeting on his candidature. He pointed out that the appointment of a Secretary to the Society was that of a man who had much more than a dual interest, as some of the Councillors seemed to think: his official connections were so numerous that it appeared to Mr. Kirkpatrick that the Society would only get a very small portion of Mr. Glynn-Jones's service. He favoured advertising, as he considered it was given to no one man to know what brains were in our midst. He also advocated setting up an executive within the Council, open to all members of the Council, so that all could gain administrative

experience and free it from the charge of individual control for the greater part of each month. Finally, he pleaded for more progressive activity and publicity. Mr. A. R. Melhuish followed, dealing first with rural areas. He considered education was stringent enough at the present time, but he advocated keeping in touch with the national system. He would not part with the title "chemist." Mr. J. Keall also laid his views before the members, and showed how it was necessary to take the long view in pharmacy, that what we are suffering from has arisen from the short views of our predecessors. He strongly supported the action of the Council in its work, and pointed out that the Council could deal with all trade matters after the way it had dealt with sulphate of copper. Mr. Wolff gave the modern business exposition, dealing trenchantly with what the Council had done, is doing, and might do. He wanted it to wake up, and he asked for the votes of those who also wanted the Council to awake out of slumber and not dine so much. The hour was very late, and only a few questions were put, Mr. Keall justifying his voting for a part-time Secretary on the ground that Mr. Glyn-Jones was the only man for the post. A vote of thanks was accorded to the writers of the letters and to the speakers.

Manchester.—The annual meeting of the Manchester Pharmaceutical Association was held at 65 Market Street on April 10, Mr. Joseph Bell (President) in the chair. The Council's report and the Treasurer's balance-sheet were adopted; the latter showed a membership of 188 and a balance in hand of £83. 17s. 8d. The Council and offices were re-elected and thanked for their services. Mr. F. W. Bates and Mr. A. Hershberg, Chairman and Hon. Secretary of the Insurance Pharmaceutical Committee, were also thanked for the splendid way in which they had guarded the interests of panel chemists. At the close of the meeting a discussion took place regarding the proposed Manchester and Salford Vigilance Committee. This is a proposal to further the interests of qualified chemists, and to try to put a stop to the many and flagrant breaches of chemists' rights. The sale of many articles by several classes of traders is illegal, and yet if an individual reports the offence to the proper authorities very little notice is taken, sometimes none; and it is thought that if a Committee of this kind, vested with some power, were set up, it would lead to many of these violations of the law being stopped.

Merthyr Tydfil.—A meeting of the Merthyr Pharmacists' Association was held at 148 High Street on April 10, Mr. T. Jenkins in the chair, when, in response to a letter from the Face Values Committee, it was decided to give the movement every encouragement and to subscribe 1s. per member towards the Committee's expenses. Letters were read from Allen & Hanburys *re* profit on their foods and proprietaries, and ordered to be placed on the table. Much indignation was expressed at certain wholesale houses holding up orders for unduly long periods in order to enable them to charge advanced prices on their specialities. It was decided to support the candidature of Mr. F. Pilkington Sergeant for the Pharmaceutical Council.

Newport (Mon.).—A meeting of the Newport Pharmaceutical Association was held on March 27 at the Shaftebury Hotel. Among the various items dealt with was the modification of some of the prices of the minimum retail-price list. The Secretary read a letter from the Face Values Committee, London, asking for support. It was decided to aid this body, and the Secretary was directed to collect and forward the subscription of 1s. per member. The meeting concluded by appointing members to act on the Pharmaceutical Statutory Committee, which now consists of Messrs. Benson Harries (Chairman), Shelby, Findlay, Badgett, Menhennick, Williams, Johnson, and Latimer Davies (Hon. Secretary).

P.A.T.A.—A meeting of the Council of the Proprietary Articles Trade Association was held at the Holborn Restaurant, London, W.C., on April 11. Among other business transacted was an interview with a deputation from the Face Values Committee. The principles which that Committee advocate were fully discussed, and a report is to be issued as soon as possible. Particulars of complaints were laid before the Council on the subject of premature changing of new minimum wholesale prices by some of the wholesale houses before these had been approved by the P.A.T.A. Council and published in the "Anti-Cutting Record." It was explained that, in the ordinary way, P.A.T.A. manufacturers are under obligation to get new prices approved by the Council before publishing them to the trade. Owing, however, to the war, cost prices changed very rapidly, and they found themselves compelled to advance immediately without waiting. It was resolved, in order to lessen the above difficulty, to publish revised prices more frequently than once a month, and to let them come in force immediately they are published.

Staffordshire.—The twenty-first anniversary of the founding of the North Staffs Chemists' Association was celebrated on April 11 by a meeting at the Town Hall, Stoke. Mr. Roland Prince (Acting President) took the chair, and among the visitors were Mr. Edmund White (President of the Pharmaceutical Society), Mr. J. Rymer Young (Warrington), and Mr. Gowen Cross, J.P. (Shrewsbury). The President of the Association (Mr. John Averill, J.P.) was absent through age and illness. The Chairman welcomed the visitors and expressed regret at the absence of the President and of Mr. Glyn-Jones. Mr. Edmund White, in congratulating the members on the age and success of their Association, said the whole country should be covered by local Associations, so that on emergency the craft could act as one man. Referring to the work of the Council in trade questions, he said they must not push matters too far, although the Council was composed of men who were quite conversant with business. He thought that such affairs as the regulation of prices of proprietaries, tinned foods, cigars, etc., which were quite legitimate side-lines with some pharmacists, could be done preferably and better by the Proprietary Articles Trade Association or the local Association. He then discussed the prospects for pharmacy, alluding to the Ministry of Health, the effects of the Man-power Bill, the position of chemists and assistants serving with the Forces, and territorial representation. Mr. J. R. Young and Mr. Gowen Cross also spoke. The former said that a modified curriculum was being brought forward which he thought would prove practicable; it had been thought out with due regard to the educational facilities of the country. It was, one might even say, a homoeopathic dose of education, but would serve as a beginning. The dignity of the craft demanded some educational superiority in the pharmacist, and the dignity of a body depended on the units composing it. Mr. Cross paid a handsome tribute to the absent President, Mr. Averill. A vote of thanks was accorded to Mr. White on the proposition of Mr. Edmund Jones (senior Past President), supported by Mr. Dale (Stoke), Mr. Weston Poole (Newcastle), and Mr. Cornwell. Mr. White, in reply, said he did not object to criticism, but personalities and undeserved abuse were not pleasant. The vote of thanks to the Chairman was proposed by Mr. Young and seconded by Mr. Cross. A telegram of regret and good wishes was sent to Mr. Averill. A dinner was afterwards held in the North Stafford Hotel, at which the visitors and many of the members were present.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres. ENGLAND.

Blackburn.—The Clerk to the Insurance Committee has prepared a comparative statement of the cost of drugs for the five years ended December 31, 1917, which shows that in 1913 the prescriptions numbered 213,263, costing 7,043l. 8s. 8d. and averaging 7.29d. per script; the average cost per insured person being 29.73d. For the succeeding years the respective figures are: 1914—203,157, 7,212l. 17s. 11d., 8.52d.; and 29.18d.; 1915—177,370, 5,329. 9s. 10d., 7.21d., and 23.27d.; 1916—152,985, 3,570. 3s. 6d., 5.59d., and 14.49d.; 1917—142,133, 3,615. 8s. 3d., 6.10d., and 16.69d.—The Military Advisory Committee has asked the Insurance Committee for a report showing the exact amount of work performed by each chemist and dispenser under the Insurance Acts. The Clerk attended a recent meeting of the Advisory Committee on this question, when it was decided to grant a further exemption to the men on the list to June 30, with liberty to appeal again.

Blackpool.—The Insurance Committee has again deferred the question of the proposed uniform Formulary of mixtures, pending the receipt of the observations of the Panel Committee on the matter.—The Medical Benefit Sub-Committee has been discussing the difficulty experienced in securing an adequate supply of glycerin and syrup for dispensing-purposes, and it has been decided to notify panel doctors and chemists and the Pricing Bureau of any understanding which may be arrived at on the matter between the Panel and Pharmaceutical Committees.—Messrs. Percy Hogley, Warbreck Road, and R. A. Sykes, Cleveleys, pharmacists, have joined the panel.

Bournemouth.—The Insurance Committee at its last meeting decided that the February and March chemists' accounts should be paid as soon as the figures are received from the Pricing Bureau, less a proportion of the sum allotted in respect of the Pharmaceutical Committee's administration expenses. The accounts for the Drug Fund paid since the last meeting amounted to 299l. 1s. 4d. The annual

report for 1917 showed that there were thirty-eight chemists on the list, the number of shops being forty-seven. During the year 57,114 prescriptions have been dispensed, the total value of which is 1,537l. 5s. 8d., averaging 6.4d. per prescription. These include the prescriptions given to temporary residents and the persons receiving sanatorium benefit in the form of domiciliary treatment. The financial statement showed in regard to the Drug Fund that after payment of all chemists' accounts upon the Tariff prices a balance would accrue to the practitioners and the Treasury.

London.—The Pharmaceutical Committee met at Bank Chambers, High Holborn, W.C., on April 9, Mr. G. W. Hatfield (Chairman) presiding. The report of the Central Checking Bureau for December showed the margin of error to be 0.23 per cent. The Secretary's report stated that during 1917 the number of prescriptions dispensed was 3,926,600, at a total cost of 94,231l. 9s. 8d. and an average cost per prescription of 5.76d. Mr. A. R. Melhuish was nominated as pharmaceutical representative on the Insurance Committee, in place of Mr. Woolecock. A discussion took place regarding preparations containing olive oil and lard, and the Chairman and Secretary were empowered to take such action as may be needed.

Middlesex.—The Insurance Committee met on April 8 at the Guildhall, Westminster, Mr. Kelland (Vice-Chairman) presiding. Payments were ordered to chemists of 499l. 1s. for 1917 and 3,350l. 14s. 3d. on account of 1918, and 18s. to medical practitioners for emergency drugs for 1917. The Finance Committee had been unable to arrive at the correct sum to be transferred from the Sanatorium Fund to the Medical Benefit Fund in respect of drugs used in domiciliary treatment, owing to the failure of doctors to mark the prescriptions, but assessed the amount at 500l., which sum the Committee now decided to transfer, subject to the approval of the Commissioners.—The Supervisor reports to the Pharmaceutical Committee that the January scripts numbered 64,748, at an average cost of 7.95d., and represented 75,819 prescriptions, averaging 6.79d.; these averages showed an increase, as compared with January 1917, of 1.10d. per script and 0.90d. per prescription. Careful checking of the pricing of the February scripts gave 0.44 as the percentage of errors, representing only 0.04 per cent. in money value. The total number of prescriptions so far priced for the year 1917 was 827,153, at an average cost of 5.98d., with an average dispensing-fee of 2.85d.; for 1916 the average cost per prescription was 6.20d., with an average dispensing-fee of 2.91d. Accounts received late at the Pricing Office had been the cause of some slight delay in the payment of accounts which had been sent in and received by the proper date, and it would probably be found that no further grace would be allowed chemists whose scripts were received at the Pricing Office after the 4th of the month. In respect of the supply of liniments and ointments usually prepared with edible oils and fats, chemists who find themselves compelled to dispense preparations made with substitutes for these oils and fats are advised, until W.E.F. substitutes are officially recognised, to notify the Pricing Office where the prices of the substitutes are in excess of the prices of the withdrawn preparations.

Rotherham.—A report presented to the Insurance Committee states that during October last 5,741 prescriptions were dispensed, at a cost of 131l. 10s. 6d., ingredient-prices totalling 65l. 7s. 3d. and dispensing-fees amounting to 61l. 3s. 3d.

Smethwick.—At the meeting of the Insurance Committee on March 26, the Medical Benefit Sub-Committee's report stated that a letter had been received from the West Midlands Joint Committee intimating that it had been determined, in view of the difficulty experienced in dealing with claims for adjustment of prices when made after a lapse of long periods, that in future all claims for adjustments must reach the Joint Committee within six months after the scripts in respect of which claim is made have been dealt with by the Pricing Office—e.g., any claim in respect of January scripts should be submitted not later than the end of August, etc. It was further intimated that this arrangement would apply to the month of July 1917 and after. The Pharmaceutical Committee and the Central Checking Bureau have been informed of the arrangement. The report also recommended that the ratio between the dispensing-fees on the Article 5 Tariff and the now Tariff as already determined in respect of the first quarter of 1917 should be applicable to the whole year, with which recommendation the Panel Committee agree. During the quarter ended September last 16,822 prescriptions were dispensed, at a cost of 396l. 2s. 1d. The average ingredient-price per prescription was 2.71d. and the average dispensing-fee 2.94d.; the average total cost per insured person being 5.63d.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in grading and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, April 18, 3 p.m.

THE forthcoming Budget, the man-power proposals, and the German offensive in the West have had a subduing influence on business this week, and markets in all departments are quiet, with practically no outstanding changes. Values are well maintained, however, and, owing to continued scarcity, cream of tartar has advanced a further 5s. per cwt.; citric acid is 1d. dearer; and tartaric acid is firmer. Ergot is much scarcer and dearer, and elemi is held for much higher figures. Japanese vegetable wax has been dealt in at advanced rates. Cassia and star-anise oils are improving; juniper berry oil is lower; menthol and oil are quiet. Pharmaceutical chemicals are slow all round, and a valuable cargo on the water is awaited with trepidation. Bromides are quiet, with potash in dealers' hands the turn easier. Amidopyrin and potash permanganate are also easier. Paraldehyde is offered at lower rates by English makers. Hydroquinone and chloral hydrate are still in upward tendency. Saccharin shows a recovery from the Government scare of last week. Crudo antimony and arsenic are lower. A further tightening-up in the list of prohibited exports is announced this week (p. 33), many important drugs and chemicals, like aloes, buchu, bromides, benzoates, cantharides, cascara sagrada, chloral hydrate, coca-leaves, cubeb, ergot, formaldehyde, hydastis, iodides, jalap, nux vomica, rhubarb, senega, senna, squill, tartaric acid, etc., having been placed on the "A" list, which signifies that the export to all destinations is prohibited except under licence. The Ministry of Food from and after April 29 takes over control of the imports and stocks of flours, starches, dextrines, glucose, and all cereal products (1 ton and upwards); tapioca, sago, manioc, cassava, mandioca, arrowroot, pulse and all products of same (2 tons and upwards); potato flour, starches, farina, and such-like products (1 ton and upwards). All stocks of the above, sold and unsold, and records of contracts have to be notified (see p. 44).

Higher	Firmer	Easier	Lower
Chloral hydrate	Camphor oil	Amidopyrin	Antimony (crude)
Cochineal	Cassia oil	Farina	Arsenic
Cream of tartar	Citric acid	Guaiacon carbonate	Gambier
Elemi	Clove oil	Pepper	Juniper oil
Ergot	Copaiba	Potash	Paraldehyde
Nutmegs	Hydroquinone	bromide	Potash permanganate
Wax (Japan)	Tartaric acid		

Cablegram.

NEW YORK, April 18.—Business is quiet. Curaçao aloes has advanced to 10½c. per lb. Long and short buchu-leaves are dearer at \$1.35, and quinine in second-hands is dearer at 98c. per oz.

AGAR-AGAR remains firm, sellers quoting Kobe No. 1 strip at 4s. 9d., No. 2 at 4s. 6d., and No. 3 at 4s. 3d. on the spot, and on c.i.f. terms sales have been made at 4s. (ship declared).

ALMOND OIL.—Genuine English drawn (B.P.) is very scarce at 3s. 4d.

AMIDOPYRIN is offered at the easier rate of 60s. per lb. on spot.

ANISE OIL, STAR, has shown rather more spot demand, with sales of "Red Ship" up to 4s. 5d. per lb.

ANTIMONY.—Advices from China are to the effect that a more important supply of crude is available, although large quantities were recently shipped to the United States, where the outlet is good, with the prospect of being enlarged in connection with war needs. The demand for the homo trado shows no improvement, and a freer supply is awaiting disposal; but holders are not inclined to cut prices below 4s. 6d., while in some cases asking up to 4s. 5d. on the spot. A Chinese firm is anxious to do business even for shipment at about the lower figure mentioned, subject to licence, but there is no interest at the moment, while it would probably be difficult to get freight for good quantities. The state of the market is largely under the influence of the attitude of the authorities, both in regard to crude and regulus, while it is believed that home refiners hold good stocks.

ARSENIC.—The tendency of the market is as erratic as ever. Small lots are held for high prices, but actual business is being done at further reductions. Agents here of some of the Cornish mines are understood to have made sales in 10-ton lots for future deliveries in London at 124s. to 126s. per ton for usual 99 per cent. white powder. The demand remains slow, and business at the inflated prices quoted elsewhere is almost impossible. There is very little Japanese being shipped at present.

BALSAMS.—Spot holders of *Canada* in cases ask 7s. 6d. per lb. B.P. *Copaiba* is firmer, Central American offering at 6s., filtered Para in cases at 4s. 6d., unfiltered Maranhão in casks 5s. 7d., and filtered in cases 6s. Genuine *Peru* is 19s. net in cases, and *Tolu* is 7s. 6d. net, all spot.

BITUMINE varies in price from 115s. to 120s. per lb. on the spot.

BROMIDES are quiet, and small sales of potash are reported by second-hand holders at 10s. 9d. to 11s.; soda is 5s. 6d. to 5s. 9d.; and ammonia is very scarce at 9s. 9d. to 10s.

CADMIUM is quiet but the tone is steady, the market having undergone no important change for some time past. Prices range from about 7s. 9d. to 8s. per lb.

CAMPHOR (REFINED) remains firm, with sales of Japanese 2½-lb. slabs at 4s. 8d. on spot, and ¼-oz. offer at 5s. 3d.

CAMPHOR OIL is firmer, with sellers at 160s. per cwt. on the spot.

CARDAMOMS.—According to the annual report of the Ceylon Planters' Association the crop for 1917 has been very short of the usual yield, owing to the heavy rainfall during the year preventing the blossom from setting. The prices obtained for green dried cardamoms during the year do not pay cost of production. Fully cured cardamoms have not realised in Colombo prices that will cover cost of production. In London the rates are higher, but freight is practically unobtainable.

CASSIA OIL is dearer, with spot sales of 80 to 85 per cent. c.a. at 6s. 11d., and 7s. asked.

CHLORAL HYDRATE remains firm and scarce at from 12s. 6d. to 13s. 6d. per lb. for crystals, as to seller.

CHITRIC ACID is 1d. per lb. dearer at 3s. 3d.

COCHINEAL has been selling more freely of late for export; good silvers are quoted at 3s. 2d. and silver greys at 3s. per lb. on spot.

CREAM OF TARTAR has advanced a further 5s. to 425s. per cwt.

CREOSOTE CARB. is very firm and scarce at 55s. per lb. net.

ELEMI is dearer, with 145s. per cwt. asked for finest; no arrivals appear to have taken place.

ERGOT.—Stocks have been considerably reduced of late, and with a better demand prices are dearer, up to 4s. 3d. per lb. having been paid for good sound Spanish on the spot.

FARINA.—On and after April 29 this market will be under the control of the Ministry of Food. Notification is required of unsold stocks, stocks sold under contracts but not delivered, and complete record of all contracts (see p. 44).

GAMBIER is lower, with sales of block on the spot at 67s. 6d.

GINGER.—Firm. At auction 30 cases small cut Cochin were bought in at 120s. and 133 bags limed Japanese at 85s.

GUAIACOL CARBONATE is offered at the easier rate of 110s. per lb. on the spot.

HEXAMINE is unaltered at from 9s. to 9s. 6d. per lb.

HONEY.—Sellers of white Californian in tins and cases quote 210s. per cwt. on the spot, and in Liverpool Cuban is offered at 192s.

HYDROQUINONE continues very scarce, but further consignments are close at hand; holders ask from 18s. upwards.

JUNIPER-BERRY OIL.—English distilled is offered at the lower rate of 35s. per lb.

LEMON OIL is quiet, with sellers of finest at from 4s. to 4s. 2d. on the spot, and at 3s. 6d. to 3s. 7d. c.i.f.

MACE.—At auction 68 packages West Indian sold at steady prices.

METHYL SULPHONAL is offered at 65s. per lb. net on spot.

NUTMEGS.—At auction 152 packages West Indian offered and sold at an advance of 2d. to 3d. per lb.

OILS, ESSENTIAL.—The following are current quotations: *Bergamot*, 38 to 39 per cent., 21s. spot and 18s. 6d. to 19s. 6d. c.i.f. to arrive. *Bourbon Geranium* 28s. 6d., African 30s. French *Lavender* 17s. to 18s. French *Spike* 6s., Spanish 4s. Sweet *Orange* 9s. 9d. to 10s. *Paraguayan Petitgrain* 17s. French *Rosemary* 4s. 6d., Spanish 3s. 6d., and red *Thyme* 5s. 9d. per lb. net. *Laurel-berry* 3s. 2d., distilled *Lime* 7s. 9d., and hand-pressed, 21s. *Cananga* is 18s. 6d. to 19s. and *Cajuput* 6s. per lb. on the spot. *Clove* oil is very firm at 21s. 6d. to 22s.

PARALDEHYDE is rather lower, with English makers offering at 11s. 6d. per lb.

PEPPER is quiet and easier, with spot sellers of fair black Singapore at 1s. 4d. Tellicherry is 1s. 4½d. and Alleppy 1s. 4d. White Muntok is 2s. 2½d. and white Singapore is 2s. 2d., all on the spot.

PEPPERMINT OIL.—A limited quantity of American H.G.H. is offered at 30s. per lb., London terms.

PETROLEUM is firm at 1s. 7½d. per gal. for American refined and 1s. 8½d. for water-white.

PHENACETIN has still an easy undertone, with sellers at 28s., and even slightly less.

PHENAZONE varies in price from 50s. to 53s. per lb. net, as to seller, the lower rates being below the cost to import from France.

POTASH PERMANGANATE is offered at the lower rate of 12s. to 12s. 3d. per lb. to arrive, the spot value being 13s. to 13s. 6d.

QUICKSILVER.—While the state of the market here is unchanged the position across the Atlantic of late has been the subject of interest, chiefly having regard to the expectation of action by the United States Government. At a recent meeting between representatives of the latter and dealers at San Francisco purchases were arranged on the basis of \$115 per bottle. Possibly a price may be fixed for Government use, while it is rather significant that the market has since risen again to \$125. A much larger outlet now exists in America, but at the same time the output is progressing on a large scale. Having regard to possibilities in Austria a German report states that German interests have invested considerable capital in quicksilver-mines at Varanno and Zalatna (Hungary), where operations are being restarted by two companies, representing together a capital of eight million kr.

RESORCIN has sellers at 45s. per lb. net.

SACCHARIN.—We omitted to indicate last week that the prices of 270s. to 275s. at which business had been done were for goods "to arrive." The spot market now appears to have recovered from the Government scare of last week, and as the demand for goods actually on the spot is very brisk, the average price to-day is about 300s. per lb. for 550, duty paid, and although sales have been made at slightly under this figure they were attended with exceptional circumstances, and cannot be repeated. The American market shows a considerable advance, as there has been a prolonged strike at the principal makers' works, and export permits are only being granted occasionally and for goods made before a certain date. It therefore looks as if supplies from this source will show a material falling off.

SENEGA is offered at 7s. per lb. net on spot in limited quantity.

SENNA.—Leaves and pods have been removed from the "B" to "A" category in the list of prohibited exports, which means that exports are prohibited to all destinations except under licence. Meanwhile the stock of all descriptions on March 31 was 8,850 packages, the largest for the past six years.

SELLAC is nominal at 400s. per cwt. for usual standard TN Orange quality, and to arrive 325s. c.i.f. is quoted; for any Government use the quotation is 142s. 6d.

Soy.—Several small lots of Japanese have been sold, and sellers now ask 155s.

TERPINEOL is quoted at from 6s. 6d. to 7s. per lb. on the spot.

TURPENTINE is steady at 124s. 3d. per cwt. for American, with small sales thereto to holders of permits.

WAX, VEGETABLE, is dearer, with spot sales at from 120s. to 123s. and sellers at 125s.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports of London and Liverpool:

To London. (March 28 to April 5).

Antimony, cr., 1 ton;

reg., 70 tons

Bronze powder, 15 c.s.

Chemical products, unrated, 19 c.s. 300 bgs.

Antipyrin, 33 c.s.

Argol, 6 sks.

Cream of tartar, 20 cks. 40 kgs.

Potash bromide, 23 c.s.

Potash iodide, 52 c.s.

Soda caustic, 270 cwt.

Tartaric acid, 140 cks.

Dental goods, 358t.

Drugs, etc., unrated, 1,49t.

Anise, star, 200 c.s.

Camphor, 453 c.s.

Cod-liver oil, 93 c.s.

Galls, 10,045t.

Menthol, 25 c.s.

Dyestuffs, tanning materials, etc., unrated, 425 c.s.; carmine, 2 c.s.; gambier, 1,963 c.s.; indigo, 31 chts.; logwood, 160 tons; myrabolans, 3,851 pockets, 1,979 pkgs.; tanners' bark, 458 tons

Gelatin, 1,021t.

Gums (cwt.): acacia, 60; copal, 265; tragacanth, 13

Lithopone, 520 brls.

Loofahs, 550t.

Nuts and kernels:

copra, 1,650 cwt.

Oils, essential, 298 c.s.

2 pt.-cs. 10 crates;

anise, star, 245 c.s.;

camphor, 450t; euca-

lyptus, 185 pkgs. 486 c.s.; synthetic oils,

17 c.s.

Oils, fixed: fish, 2,900 c.s.; perilla, 250 c.s.;

rape, 1,000 c.s.; seed,

205 c.s.; wood, 5,219t

Ointment, 414t.

Perfumery (mostly raw

materials) 4,175t.;

musk ambrette, 300t.;

perf. water, 20t.;

toilet-powder, 778t.

Platinum, 1,018t.

To London (April 6 to 12).

Antimony reg., 30 tons

Bronze powder, 6 c.s.

Caselin, 13,810t.

Chemical products, un-

rated, 225 pkgs. 1 c.k.

Arsenic, 51 cwt.

Guaiacol carb., 2 c.s.

Lead acetate, 2 c.s.

Potash bichromate, 7 cks.

Potash iodide, 12 c.s.

Saltpeptre, 5,400 cwt.

Soda nitrate, 20,000 cwt.

Tartaric acid, 24 pkgs.

Drugs, medicines, etc.,

unrated, 250t.;

emulsions, 2,172 bxs.;

tabloids, 235t.

Anise, star, 200 c.s.

Camphor, 25 c.s.

Cantharides, 30 c.s.

Chamomiles, 20 bls.

Galls, 6,448t.

Senna, 57 bls.

Dyestuffs, dyes, tan-

ning materials, etc.,

60 c.s.; carmine,

3 c.s.; cutch, 703 bxs.;

gambier, 405 c.s.;

indigo, 101 c.s. 1,275

Plumbago, 350 cks. 34 brls.

Seeds (bags): castor,

13,978; coriander,

3,300; cotton, 6,387

tons; lin, 539

Soap, toilet, 2,144t.;

soap stock, 220t.

Sponge, 25 bbls.

Starches (cwt.): farina,

2,986; maize, 600;

potato, 9,450; wheat,

221

Stearin, 32 brls.

Talc, 200t. ; French

chalk, 60t.

Tallow, unrefined, 2,670

cwt.

Tallow, veg.(hardened),

400 cts.

Wax, not described, 26

cts. 1 brl. 7 bgs.

158 cts.

Wax, paraffin, 518 cwt.;

scale, 5,799 cwt.

To Liverpool (March 30 to April 6).

Antimony, cr., 147½

tons

Casein, 2,000 bgs.

Chemical products, un-

rated, 136 brls.

222t.

Acetanilide, 7 brls.

Argol, 515 bgs.

Arsenic powder, 505

cts. 50 brls.; lump,

16 cts.

Boric acid, 4,611

bags.

Calcium borate, 1,400

bags.

Coumarin, 3 cts. 1 bx.

Cream of tartar, 62

cks.

Heliotropine, 1 c.s.

Iodine, 1,100 kgs.

Milk-sugar, 50 brls.

Potash bromide, 10

cts.

Soda acetate, 67 brls.

Soda nitrate, 80,855

bags.

Soda perborate, 285

bags.

Tartaric acid, 100

kgs. 56 cks. 40 brls.

Drugs, etc., unrated,

110 bags 81 sks.

233 cts. 52 bls. 41

kgs. 8 brls.; medici-

cines, 75 brls.;

medicinal oil, 24

cts.

Tallow, 3,434 cwt.

Vanilla, 14 c.s.

Wax, not described, 42

bls. 13 pkgs.

Gums and resins (cwt.):

acacia, 1,070; shel-

lac, 200; tra-

garanth, 261

Nuts and kernels

(cwt.): cashew, 299;

copra, 21,425;

ground, 400

Oils, essential, unrated,

1,825 cts.; anise, star,

191 cts.; eucalyptus,

369 cts.

Oils, fixed: coconut,

unref., 992 cts.; fish,

250 cts.; tea-seed,

1,806 cts.; wood,

10,146t.

Ointment, 206t.

Perfumery (mostly raw

materials), unrated,

2,223t. ; toilet-pow-

der, 99t.

Seeds (bags): castor,

17,487; coriander,

1,271; cotton, 3,276;

lin, 2,950

Soap, toilet, 450t.;

soap stock, 208t.

Sponge, 110 bbls.

Starches(cwt.): farina,

1,620; pearl, 4,775;

potato, 7,363; wheat,

60

Galls, 326 cts.

Ipecacuanha, 30 bls.

Marshmallow-leaves,

28 bbls.

Mezereon-bark, 2 bbls.

Podophyllin, 5 cts.

Senna, 20 bls.

Dyestuffs, dyes, tan-

ning materials, etc. :

aniline colours, 13

kgs. 20 brls.; gall-

nut ext., 50 cts.;

gambier, 776 cts.;

logwood, 73½ tons;

myrabolans, 1,857

bgs.; quercitron-

bark ext., 1,120 bxs.;

wattle-bark, 443 bgs.

Loofahs, 39 bbls.

Nuts and kernels

(bags): copra, 8,478;

ground-nuts, 135;

palm-kernels, 857

Oils, essential, unrated,

7 cts.; citronella, 20

crts.; eucalyptus, 56

cts.

Oils, fixed: fish, 2,000

cts.; sperm, 500 cts.;

wood, 45 cts.

Seeds (bags): canary,

2,756; coriander,

1,840; cotton,

17,932 tons; cumin,

302; lin, 13,715

Starches (bag.): 5,000;

farina, 3,520

Wax, bees, 64 bgs. 25

pkgs. 4 brls.

Wax, paraffin, 2,334

brls.

Wax, vegetable, 25 bgs.

90 cts.

Zinc oxide, 20 brls.;

zinc dust, 420 cts.

Cinchona-plantations in Java.

The report on the Java Government plantations for the third quarter of 1917 states that at the beginning of the quarter the weather was very variable, the first half of July giving a normal monsoon, which was followed up to August 9 by a dry period. August and September were abnormally wet. The temperature remained high throughout, and there were no night frosts. These climatic conditions were especially favourable for the nurseries and young plantations, but the excessive moisture promoted the development of the disease "diamoer oepas" in the gardens proper, which was only kept down by constant excision of diseased tissue. Deep hoeing and selected weeding were carried out on a considerable scale, so that some neglected areas of the plantations are again normally clean condition.

The authorities are giving attention to green manuring, and are experimenting with *Crotalaria usaramoensis*, *Acacia decurrens* (wattle), and *Lupinus luteus*. Dr. Bernard, Director of the Tea Experimental Station, has investigated a series of insect pests infesting the cinchona nurseries, and has identified these as follows: *Tetranychus* sp., *Brevipalpus obovatus*, and *Tarsonymus translucens*. Various methods of combating these have been tried, and the results will be published shortly. The bark harvested during the quarter amounted to 234,690 kilos. Nearly all the bark collected during 1917 has had to be retained in the island owing to scarcity of tonnage.

American Bromine.

Bromine was extracted from bittern at eleven plants in Michigan, Ohio, and West Virginia in 1917. According to R. W. Stone, of the United States Geological Survey, about 903,860 lb. of bromine was produced and sold at these plants in 1917, an increase of 215,600 lb. on the 1916 figures. During 1917 there was a large decrease in price of bulk bromine, which was quoted in the New York wholesale market at \$1.40 to \$1.50 per lb. in January 1917, but is now quoted about 60 cents. The present price, however, is 100 per cent. higher than the price which prevailed in 1913, when bromine sold for 25c. to 35c. per lb. The stocks of bromine on hand at the producing plants on December 15, 1917, were very low, amounting only to about 7,000 lb. The productive capacity of the plants, however, is so great that much more bromine could easily be made, for the eleven plants that were in operation in 1917 and one plant that was idle could produce more than 975,000 lb. of bromine in a year, and could probably make a million lb. by working full time. Some of the plants that were in operation in 1917 were idle more than half the year.

Newfoundland Cod-liver Oil.

According to the report of the Imperial Trade Correspondent at St. John's, Newfoundland, the year 1917 was a most prosperous one for the island, cod-fishing showing the largest catch on record. The yield in oils was good, and large quantities of cod, refined cod-liver, and seal oils have been exported at high figures, the markets giving exceptionally remunerative returns. The Act passed by the Government in 1916 respecting the refining of cod-liver oil has had good results. Newfoundland oil is now appreciated on the foreign markets, and inquiries are coming from all parts of the world. In July the Minister of Marine and Fisheries, Mr. J. G. Stone, sent the Council of the Newfoundland Board of Trade a copy of a very interesting letter from Professor Wyndham Dunstan, of the Imperial Institute, London, asking for samples and further particulars of the new methods now put into force by the Government for an improved production. The Council appointed a Committee, who answered all the questions very thoroughly, and it is to be hoped that the London buyers will agree with Professor Dunstan that the prejudice that has remained with them so long in favour of the Norwegian oil is now no longer justified. The increase in volume and value of Newfoundland oil as shown in trade statistics is remarkable, and gives evidence of what can be done. The Council looks forward to even better results in 1918.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Leicester Sweet-nitre Cases.

SIR.—With reference to the report on page 35 of the *C. & D.*, April 13, will you kindly note that there is no one of the name of "J. H. Butler" in any way connected with the firm of E. H. Butler & Son, and that the firm in question are in no way directly or indirectly concerned with the sweet spirit of nitre cases referred to.

Yours faithfully,

New Haymarket, Leicester. E. H. BUTLER & SON.

Apothecaries' Assistants.

SIR.—I note that your correspondence columns are again being utilised to set forth claims for registration as chemists and druggists without examination by persons holding a certificate issued by the Society of Apothecaries. The National Insurance Act conferred the right to dispense on the "three-year" people, which included Hall assistants, but the latter were given no special status on account of the certificate held by them. The report of the Departmental Committee appointed to consider the conditions imposed by Section 15 (5) (iii.) of the National Insurance Act, 1911, on the supply of medicines to insured persons, reads:

The Committee are not satisfied that the standard of training and attainment required for the certificate of Apothecaries' assistant or for the post of Army dispenser is, at present, sufficient in itself to qualify for dispensing for the insured without direct supervision.

Whilst the "three-year" persons are allowed to dispense they cannot join the panel of chemists—an important proviso which, in effect, means that, so far as National Insurance Act dispensing is concerned they are always employed by a person or firm entitled to carry on the business of a chemist and druggist, and obviously these employers will exercise a general supervision over the work. Registered chemists should note particularly that the claims made are for full registration as chemist and druggist, and not as assistants, and I would suggest that every local Association should get the views of candidates for the Pharmaceutical Council as to their attitude in the matter.

Yours faithfully,

GEO. W. GIBSON,
Hon. Sec. Public Pharmacists' Association.

Territorial Representation.

SIR.—As a voter, I am, of course, keenly interested in the expressed views of the various candidates for election to the Pharmaceutical Council, as set forth in your journal week by week. Naturally, it is the view of the new adventurers that is of greatest moment, and I thoroughly agree with "Xrayser II." as to the nebulous character of Mr. Leo Joseph's address. We have been filled to overflowing in the past with platitudes on pharmaceutical politics. What is urgently required now is evidence of some appreciation of the immense reconstruction problems looming in the future. Have the new men any definite practical ideas regarding schemes of reconstruction, or is their ambition merely to be elected Councillors and to absorb the Bloomsbury tradition? One thing that strikes me particularly in connection with Mr. Leo Joseph's remarks is that he is singularly reticent on the subject of territorial representation. If Wales is worthy of another representative, would it not have been possible to find one outside Cardiff, the headquarters of the sitting Welsh member? Now that Mr. Glyn-Jones is to run the Society, as well as the P.A.T.A., no doubt the Principality will have to be accorded more power. But surely there is one worthy pharmacist in North Wales!

Yours faithfully,

SIMPLICITUS. (67/9.)

Assistants' Examination.

SIR.—I shall be glad if you will spare me a little of your valuable space to make a short but important correction in your report of my address to the Western Pharmacists' Association (*C. & D.*, April 13, p. 46). I am reported as saying that I am now in favour of an assistant's examination, and that it "might be a good thing." What I intended to convey was not this, but the reverse, and that

such an examination would tend to create a further class of partially qualified men and women which might prove a source of grave danger in the future.

Yours faithfully,

A. R. MELHUISH.

Glyn-Jones Reminiscences.

SIR.—Your chronology of the career of Mr. Glyn-Jones in last week's issue set me a-hunting among my old-time trade circulars, till I came across a little eight-page folder with a yellow cover bearing the legend—

A Word to the Trade About

A NEGLECTED SOURCE OF PROFIT.

This I had given me at a trade exhibition in the year 1895, I think, by an enthusiastic, black-haired young man, who was demonstrating with Celtic fervour the advantages to chemists of creating a monopoly in their own table-waters. This young man was the representative (and sole proprietor) of "Glyn & Co., Aerated Table-water Manufacturers, 159 East India Road, E.," and in view of futuro events the following paragraph in this ancient circular will be interesting:

We believe we are in harmony with the bulk of the trade when we say that the pecuniary success of the Pharmacist of the present day largely depends upon his ability to create a demand for Remedies and Drugs of his own manufacture or brand; wares the selling price of which he is enabled to control.

The circular goes on to point out that mineral-water manufacturers who supply chemists also supply the nearest grocer, dairy, and oilshop. Even "the firm working somewhat on co-operative lines who restrict their supply to chemists" may sell to the chemist's nearest trade competitor. The dictum was therefore laid down that a chemist should sell only waters in syphons stamped with his own name and bearing his own labels. The chemist was urged to abandon the deposit system, buy his own syphons (at 1s. 7d. each), and register the loan to customers on a system devised by Glyn & Co. which they were willing to explain. Furthermore, the retail price should be cut to 3d. per syphon for soda, potass, and seltzer, and 4d. per syphon for lemonade and other syruped goods, in order to compete successfully with the grocer and the oilman. The capital devoted by chemists to paying deposits on syphons to manufacturers should be utilised in actual purchase, and any retailer who was unprepared to invest the necessary capital might arrange terms with Glyn & Co., who offered to fill soda, potass, and seltzer at 1s. per dozen syphons and syruped goods at 2s. per dozen. According to your chronological table the P.A.T.A. was founded in the following year, and although I was not actually present at the inception of that great idea, by a singular coincidence I happened to be in the dingy Thames Police Court a year after, when a certain lime-water prosecution took place, at which Mr. Glyn-Jones had his first forensic triumph. I still remember the delight with which I watched the then unknown chemist confounding the inspector, the analyst, and the prosecuting solicitor, and securing the sympathy of the prim Mr. (now Sir John) Dickinson. Mr. Glyn-Jones's triumph on that occasion was ephemeral, for at the second hearing another magistrate—the late Mr. Mead—was on the bench, and took a diametrically opposite view. But there is no doubt that the lime-water prosecution was the germ which incubated the legal career of the new Secretary to the Pharmaceutical Society, and eventually landed him in St. Stephen's. A veritable romance of pharmacy.

Yours faithfully,

SUBURBITAN. (71/89.)

Deodorising Cocoa-butter.

SIR.—Serious attempts are being made to bring cocoa-butter into war-time cookery, but its consistency and flavour are not suitable for universal use. People are asking their chemists if anything can be done to mask the persistent chocolate flavour, which, however nice in its place, is not wanted for breakfast, dinner, tea, and supper. To remedy the defect of consistency the following is suggested officially: (1) While-molten stir into each 4 oz. of cocoa-butter 5 oz. of good cotton-seed oil or arachis oil; (2) melt 2 oz. of cocoa-butter with 2 oz. of butter, 2 oz. of margarine, and 2 oz. of salad oil, stir with a wooden spoon, add a little salt, colour with "Carrotine," and serve in pats or balls or shells. To eliminate the flavour, which is the *bête noire*, of cocoa-butter in cookery, heat it in a clean shallow frying-pan to a temperature of 370° F., when a white smoke will be seen rising from the pan. Keep it carefully at that temperature for five minutes, cool, and let it set. After doing this there should be no flavour of cocoa in the butter. To use cocoa-butter *per se* it should be grated like cheese. It is very good for puddings, but too hard for pastry. I have heard of chemists who

have been experimenting on these lines, and I think they should place their experience at the disposal of the brethren, especially as no trade secrets are involved.

Faithfully yours,
GALEN II. (6/91.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Warning to Wholesalers.

Bradley & Bourdas, chemists, 6 Pont Street, London, S.W. 1, ask us to warn the London wholesale trade that orders purporting to come from their firm are being presented to wholesale houses. These order-forms, in post-card style, are fraudulent, and may be detected at once owing to the incorrect use of the trade description, "Pharmaceutical Chemists."

Sunday Closing.

A. C. (23/2), writing in regard to the Sunday Observance Act, 1677 (*C. & D.*, February 23, p. 52), says: "So far as I am aware, the fine or penalty for opening any place of business on Sunday is not exceeding 5s. Mr. Henderson, photographer, London Bridge, was many years ago fined regularly 5s. every Monday, seven days after offence. He did not attend. But the Magistrate once sent for him after he had sent a cheque for four weeks, returned cheque, and stated that the Act was antiquated."

Iron in Epsom Salts.

Sacch. Ust. (91/19), writing in regard to Mr. Koutoupa's note on the presence of iron in Epsom salts (*C. & D.*, March 30, p. 51), states that he has lately detected the impurity here at home as well as in Egypt. A case, in which a mixture containing simply salts and an astringent vegetable infusion turned almost black, was brought to his notice a few weeks since. The presence of iron in the salts was, of course, suspected, and on further examination the suspicion proved correct. There was little or nothing more than a trace of iron, and the impurity was not of much consequence therapeutically, but it is well that the attention of manufacturers should be called to it.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

L. H. & Co. (229/19).—**ALUM STYPTIC PENCILS.**—It requires some toughening agent to be incorporated with the alum before it is melted and poured into moulds. We suggest that you try calcium chloride or sodium borate. If these do not effect the purpose, you will have to fall back on moulded pencils prepared by adding an excipient (such as dextrin or glucose) to powdered burnt alum and forming the mass into pencils.

V. E. H. (209/62).—**BOOKS ON PROFIT CALCULATIONS.**—The following books are of the kind you require: Ferguson's "Buyers' and Sellers' Guide to Profit on Return" (E. Wilson, 1s.); "The 'Express' Pocket Reckoner" (Gall & Inglis, 1s.). The Lamson-Paragon Supply Co., Ltd., used also to publish some years ago a useful booklet entitled "Profits on Returns Book."

Felon (17/38).—**FELON-DRINK.**—The sample you send may be fairly well imitated by the following receipt:

Powdered anise,
Powdered caraway,
Powdered ginger ... of each 1 oz.
Powdered magnesium sulphate
to make 16 oz.

Mix.

Becston (49/64).—**PRICE OF PARAFFIN.**—The Order allows a profit of 4d. per gal., or 5d. if the oil is booked or delivered. The recent price ex tank has been 1s. 5d. per gal.; this brings the consuming price to 1s. 9d. In the first Order the price for the pint worked out at 2½d., and the authorities would make no concession, except that a smaller quantity than a pint might be sold for 2½d., or quantity in excess of a pint at 3d. As the result of representations, however, a pint can now be charged at 2¾d. and a quart at 5¼d.

H. J. L. (Penang) (19/29).—**LAXATIVE PARAFFIN CONFETIONS.**—These are made with a basis of vaseline to which solidifying agents, such as sugar, casein, and acacia, are added together with colouring matter and flavouring agents. We have not worked out a formula, but the data given will enable you to prepare a satisfactory product.

P. H. M. & Co. (Grenada) (250/11).—(1) **KOLA CHAMPAGNE ESSENCE:**

Tea	...	...	...	...	2 oz.
Roasted kola-nut	...	...	...	16	oz.
Essence of lemon	...	...	...	8	oz.
Essence of limes	...	...	...	2	oz.
Essence of neroli	...	...	...	3	oz.
Essence of almonds (1-7)	...	...	...	100	m
Essence of rose geranium	...	...	...	1	oz. 6 dr.
Essence of sweet orange	...	...	...	12½	oz.
Tincture of bitter and sweet orange peel	...	...	of each	27½	oz.
Glycerin	...	...	...	4	oz.

Macerate seven days and add—

Terpeneless oil of bitter orange	1	dr.
Vanillin	6	dr.
Coumarin	30	gr.

Dissolved in—

Rectified spirit	5	oz.
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Press and filter.

(2) **RASPBERRY CHAMPAGNE ESSENCE:**

Raspberry-juice	10	oz.
Raspberry-essence	2½	oz.
Acetic ether	...	...	...	30	m
Butyric ether	...	...	...	1½	dr.
Colouring	...	...	...	a sufficiency	

Mix.

(3) **LIME-JUICE AND SODA ESSENCE:**

Oil of limes	...	...	...	5	dr.
Rectified spirit	...	...	...	16	oz.
Water	...	...	...	14	oz.

Rub the oil of limes with ¼ oz. magnesia, add the spirit and water, and filter.

(4) **CREAM-SODA ESSENCE:**

Essence of ginger-ale	...	...	...	5	oz.
Essence of limes	...	...	...	2½	oz.
Essence of lemon	...	...	...	2½	oz.
Essence of pineapple	...	...	...	2½	oz.
Essence of vanilla	...	...	...	1	oz.
Essence of raspberry	...	...	...	1	oz.

Mix and filter.

M. (55/26).—**SACCHARIN TABLETS.**—The fixed prices referred to are for tablets made from British saccharin. This indirectly affects the price of other saccharin tablets, but not necessarily so.

T. H. O. (54/61).—Tablets made from British saccharin may only be sold at the prices fixed by agreement between the Government Department and the manufacturers, and are sold to the retailer on these conditions. If a smaller quantity than a hundred tablets is sold the price must be strictly in proportion to the price for a hundred, and the price must be marked on the package. The tablet-makers may supply only chemists and drug-stores with these controlled tablets.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 15, 1868.

The Natural History Museum.

A deputation from the British Association for the Advancement of Science lately had an interview with the Premier, at his official residence in Downing Street, to urge upon Her Majesty's Government that, in the (anticipated) event of the Natural History Collections in the British Museum being removed from their present site in Great Russell Street, the administration of these collections should be entrusted to a director immediately responsible to some minister of the Crown, and that the authority of the present trustees should then cease. The deputation consisted of Dr. Hooker, Prof. Huxley, Mr. Busk, Mr. Bentham, Mr. Slater, and the following officers of the British Association: Mr. Spottiswoode, the Treasurer; Messrs. Galton and Hirst, the Secretaries; and Mr. Griffith, the Assistant Secretary. . . . Mr. Disraeli gave a favourable reply, stating that the opinion of so many eminent scientific men must have great weight with Her Majesty's Government, and promised to bring the views of the deputation before the Cabinet.

APRIL 20, 1918

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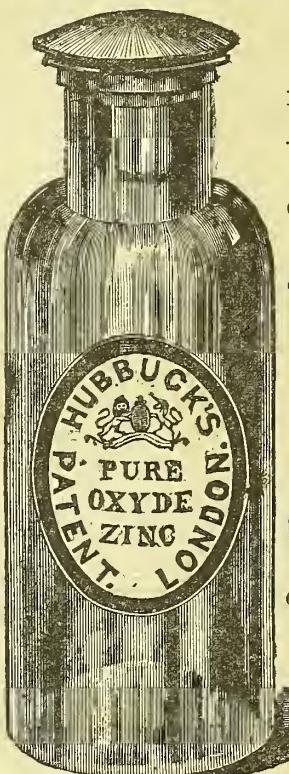
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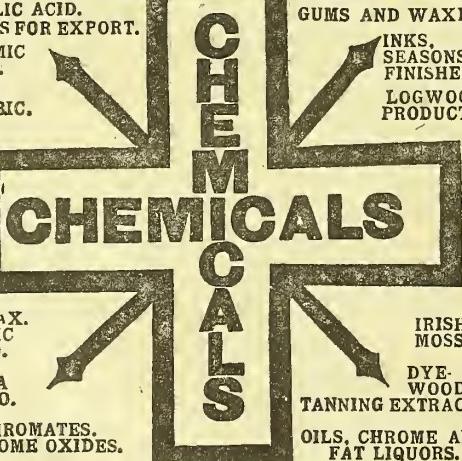
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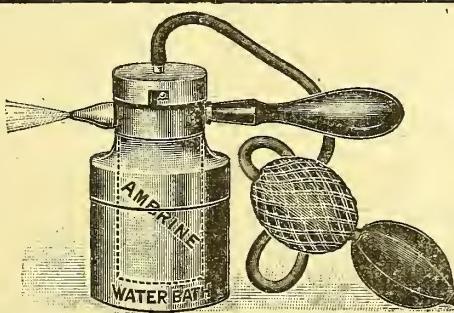
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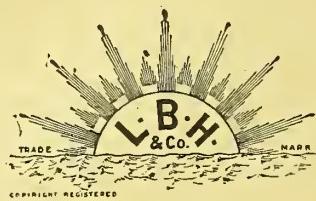
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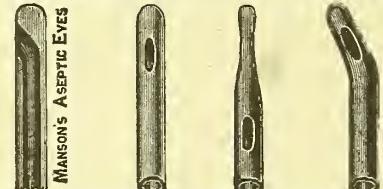
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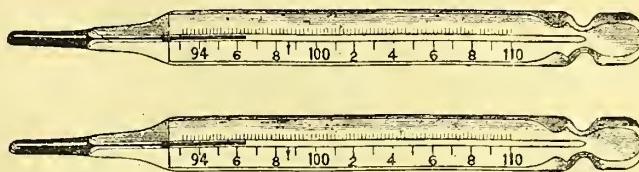
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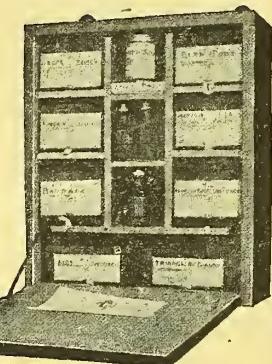
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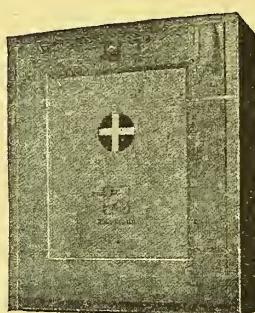
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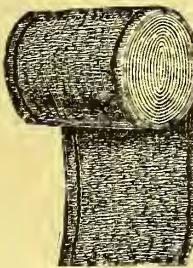
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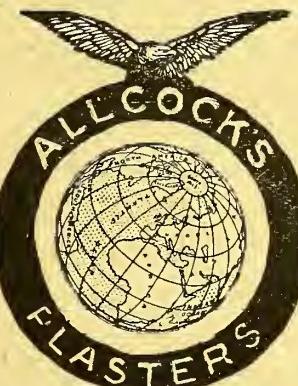
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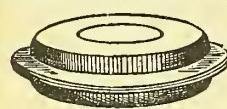
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MILNER'S CHEMICAL CO., LIVERPOOL.

PRECIPITATED CHALK.

Lightest and Whitest, also Purest Dense.

APPLY TO

AUG. LEVERMORE & CO. Ltd., 8-10 Ct. St. Helens,
LONDON, E.C.

Telegrams: "LEVERMORE LONDON". Telephone: 4613 Central.

Wrinkles Absolutely Removed

BY



IN DAINTY
DOULTON POTS

TRADE MARK
P.A.T.A. 3/9.
Wholesale terms
on application.

From your Wholesaler or
The Thames Chemical Co., Ltd.,
Amberley House, Norfolk St., Strand, W.C.

JOHN E. RAWORTH

CHARTERED PATENT AGENT,
PATENTS, TRADE MARKS AND DESIGNS.

THE OLD MANSION HOUSE, and QUEEN ANNE'S CHAMBERS,
73 Cheapside, E.C. WESTMINSTER, S.W.



CACHETS "FINOT"

(White or Coloured),
With Inscriptions in any desired
tint; also Plain or Embossed.
"Beautifully made and the inscriptions give them
a distinction all their own," —C. & D.
"Perfection of Cachets." —Lancet.

These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes, to fit the various types of Cachet Machines.

Glycerine Syringes (VULCANITE AND GLASS).

2 dr., 11/- per dozen; $\frac{1}{2}$ oz., 13/6 per dozen.

THE GALEN MANFG. CO., LTD.,
Wilson Street, New Cross, London, S.E. 14.



"Strodonia" VANISHING CREAM

is extensively advertised. Don't miss sales by being out of stock. Two sizes—7½d. @ 5/6. 1/- @ 9/- per doz.; from London Wholesalers.

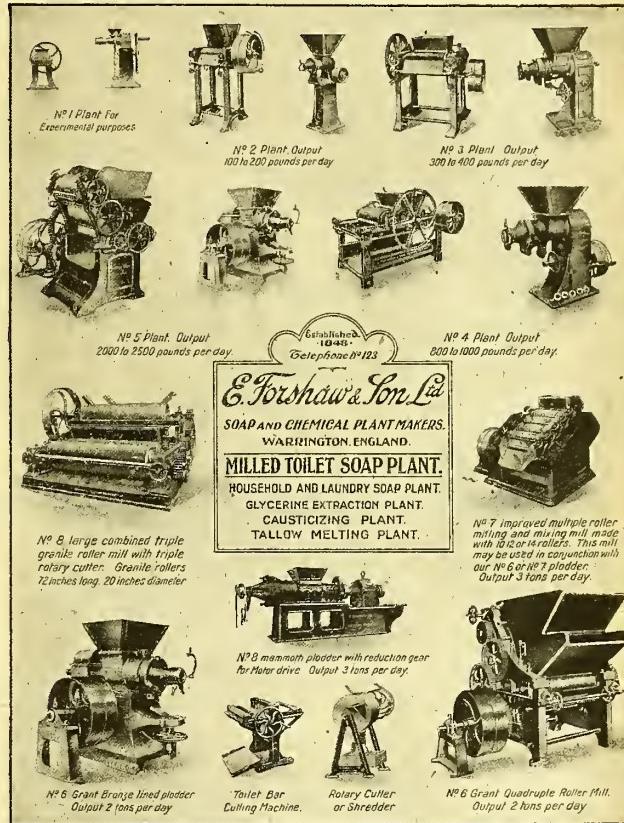
For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS:-

1½ dozen	7½d.	SELLING FOR	11 3
4 "	1/-	"	9 0

For 10/- cash with order, carriage paid. 20 3

SPECIAL TERMS FOR LARGE BUYERS.

STRODE COSH & PENFOLD, Manufacturing Chemists, LOWER UNION ST., BRISTOL.



CHEMICAL PLANT

FOR NEARLY ALL INDUSTRIES IN
STEEL, CAST IRON, BRONZE
AND SPECIAL ALLOYS

TANTIRON

ORGANIC & SYNTHETIC PRODUCTS,
SALICYLIC ACID & SULPHONATED,
CHLORINATED & ACETYLATED COMPOUNDS.
PLANTS FOR NITRIC, SULPHURIC &
HYDROCHLORIC ACID.

LENNOX FOUNDRY CO., LTD.

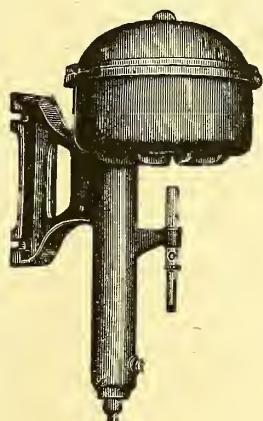
GLENVILLE GROVE, NEW CROSS,
LONDON, S.E.

Telegrams: "Equisex Dept., London." Telephone: New Cross 776.

STOKES' AUTOMATIC WATER STILL.

SIMPLICITY
ITSELF.
STOKES' GAS - HEATED WATER STILL
will distil half to two-thirds of a gallon per hour.

NO LICENCE NECESSARY.



ENTIRELY
AUTOMATIC
THEREFORE IT REQUIRES
NO ATTENTION.

Most Economical &
Efficient Still made.

EASILY FIXED IN
A FEW MINUTES.

Only requires Gas
and
Water Connections.

Carriage Paid British Isles

SOLE AGENTS—

THOMPSON & CAPPER, Ltd.
Manisty Buildings, College Lane, LIVERPOOL.

ESTABLISHED 1843.
Telephone—Royal 2060. Telegrams—"Sanitas Liverpool."

By Royal Warrant of Appointment
to H.M. The King.



By Royal Warrant of Appointment
to H.M. The King.

Only
ONE
Address.

Only
ONE
Address.

DAY & SONS, LTD (CREWE)

ESTABLISHED 1840.

CREWE. LTD (CREWE)

HORSE, CATTLE, SHEEP & DOG MEDICINES.

LARGEST SALE IN THE WORLD.



DAY'S BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills and Low Condition in all Stock.

Price 1/8 per bottle

DAY'S HUSKOLEIN

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle

DAY'S ZOMO-SAL.

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

DAY'S RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

DAY'S OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

DAY'S WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.



DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM

**DAY & SONS, LTD.,
CREWE, ENGLAND.**

LIBERAL TERMS FOR FOREIGN BUYERS.



OFFICE: 42 CANNON STREET, E.C.

SATURDAY, APRIL 20, 1918

This Supplement is Inserted in every number of The Chemist and Druggist.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number : City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—MAYFAIR.—Good-class Dispensing and Retail Business; returns £1,200; gross profit £650 to £700; books open to inspection; the shop is well-fitted and stocked; vendor is relinquishing on account of health; valuation terms entertained; excellent opportunity for a pushing, energetic man.

2.—WEST MIDDLESEX.—High-class Dispensing and Retail Business; returns upwards of £3,000; net profit £500; terms, valuation of stock and fixtures, and premium for goodwill to be arranged equitably.

3.—LONDON, N.W. (Main Thoroughfare).—Good-class Business; Retail and Dispensing; net profit exceeds £500; well-appointed shop, nicely fitted and fully stocked; valuation terms would be considered, or lump sum offer.

4.—RICHMOND (Near).—Well-established Business, situated in pleasant locality; returns about £2,000; net profit £515; stock and fixtures valued at £650; price £850.

5.—KENT (Within Easy Distance of Town).—Good middle-class Business; returns about £1,500; net profit £360; price, to include £90 book debts, £750; part payment.

6.—LONDON, W.—Busy main thoroughfare; established Business; all cash trading; returns last year £2,100; net profit £350 to £400; double-fronted shop, with excellent residence; terms, stock and fixtures at valuation, and nominal sum for lease and goodwill; vendor retiring.

7.—WEST KENSINGTON.—For disposal, through death, good middle-class Retail and Dispensing Business; returns £800,

formerly £1,000; scope for extension under good management; price £400.

8.—L.N.W. (Main Line).—Vendor retiring; good-class Dispensing and Retail Business; excellent situation; returns exceed £2,000 yearly; well-appointed shop and good residence; valuation terms entertained; books properly kept and periodical stocktaking.

9.—SOUTH COAST (Death Vacancy).—Well-established Business; no near opposition; returns £900 at fair prices; modern residence with large garden; private entrance; no reasonable offer refused.

10.—SOUTHERN COUNTY.—Very old-established Business, situated in busy shopping thoroughfare, and producing a net income of about £700 per annum; further details on application.

11.—EPPING FOREST (Near).—Good middle-class Business, chiefly ready-money; returns, present rate, exceed £800; profits above the average; comfortable residence with large garden; rent £25; no near opposition; price £500, or near offer.

12.—HANTS.—Mixed country business; established 100 years; returns £800; net profit £300; large double-fronted shop; comfortable residence; price £450.

13.—HANTS (Health Resort).—Retail Dispensing and Photographic; all good middle-class trading; returns over £2,500; terms, goodwill and fixtures, £300; stock by valuation.

14.—SURREY (Good-class Town).—Cash Retail and Dispensing Business; returns, under Assistant, £14 to £17 weekly; price £160.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.
ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communication received which he may consider contrary to this rule.

NORTHERN COUNTY.—Well-established, with good opening for N.H.I. and Dentistry, double-fronted Shop; side and back entrance; large house, recently redecorated; Warehouse and garden; death cause of sale; rent £50; sacrifice for quick sale, £160; well stocked. Apply 104/7, Office of this Paper.

BIRKENHEAD.—Light Retail and Dispensing; well-stocked and fitted; owner selling through ill-health; valuation of stock and fixtures. Apply 103/40, Office of this Paper.

S.W. OF ENGLAND.—For immediate disposal, old-established Branch; been under Manager for many years; no N.H.I.; good opening for Dental and Optical; full investigation; returns could be doubled in 12 months; no opposition; price £250. Apply 103/1, Office of this Paper.

WEST RIDING.—Genuine Cash Retail and own Proprietaries; exceptional corner position in large industrial city; returns £2,000; N.H.I. 10,000 yearly; owner retiring; would sell the property also; fullest investigation. Apply 102/16, Office of this Paper.

RUG STORE.—£100 will secure genuine little Business in a populous working-class neighbourhood near Shepherd's Bush; good Prescribing, and capital opening for N.H.I.; none done near; now under unqualified management; owner joining up. Write 103/5, Office of this Paper.

RUG Stores and Teeth, Woolwich, for Sale; cheap; good position; owner called np. 32 Plumstead Road, S.E. 18.

THOS. TOMLINSON & SON

CHEMISTS VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

BERDOE & FISH

VALUERS & TRANSFER AGENTS,
35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—First-class Retail and Dispensing Business, in splendid position; same hands many years, retiring; returns approach £900; stands to do £1,500 easily; price simply valuation, or first reasonable offer.

2.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, simply valuation of stock and fixtures.

3.—LEICESTERSHIRE.—Sound Cash Drug Store in small town; returns average £650; net profit £200; good house and Pharmacy, well stocked; price £300 or valuation.

4.—YORK.—Profitable Cash Suburban Retail; unopposed; returning £1,000 under Manager; low rent; well-fitted shop, fully stocked; selling solely on account of Manager called up; price £300 or valuation; rare bargain.

5.—LONDON, S.W.—Good-class Retail and Dispensing Business, in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price for early sale, £500; part could remain; strongly recommended.

6.—LONDON (Western Suburb).—Light Cash Retail and Dispensing, with Photographic; busy main road; returns over £2,000, increasing; low rent; long lease; corner premises; well stocked; owner retiring; price £800 or valuation.

7.—ESSEX (Suburb).—Cash Drug Stores, returning £17 to £18 a week under unqualified; clear net profit £7 a week; low rent; modern shop, well stocked; price £75 and valuation.

8.—LONDON SUBURB, S.E.—Cash Drug Stores, in good position; plenty of scope; returns £500; net profit £220; books properly kept; low rent; corner shop; good house; well stocked; price £250.

STOCKTAKINGS.

We are now booking stock takings for June, and are open to undertake one or two large ones during that month. Appointments should be made early to avoid dates clashing. Terms sent on application.

BUSINESSES FOR DISPOSAL (continued).

FOR Sale, Ready-money Business; low rental; established 85 years; death vacancy; annual returns £2,000; no goodwill; 5,000 N.H.I. prescriptions; unopposed; fullest investigation; offers for stock and fixtures only; very exceptional opportunity. Apply Marson & Son, Chemists, Stafford.

OLD ESTABLISHED London Dental Practice for Sale; advertising; excellent opportunity. Address "Dental," c/o Goulds, 54 New Oxford Street, W.C. 1.

£250 OR valuation will buy a nice Business doing £10 per week, and Insurance; good corner shop; £28 rent; much neglected; good chance for pushing man to double. Apply 65 Rustlings Road, Sheffield.

FINANCIAL.

EXTENSION OF BRITISH INDUSTRIES.

MESSRS. JAMES MORLANDS & CO., LTD., 24 Haymarket, S.W. 1, are prepared to introduce Partners or Directors with Capital into businesses of first-class character, where there are openings for new blood and extensions. Only businesses where every investigation is allowed will be considered. Those desiring to sell sound businesses outright are also invited to communicate with us. All communications will be treated in strictest confidence.

FOR SALE.

CREAM of Tartar Substitute; 2 cwt. keg; carriage paid, 20s.; sample on request. Folkards, Chemists, York.

FOR SALE!—National Cash Register; two big drawers in cabinet; 9" high; in excellent condition; as good as new; best offer for quick sale. Reply "Kingston" (102/23), Office of this Paper.

BUSINESSES WANTED.

BUSINESS required by energetic and capable man on easy terms; takings not less than £12 to £15 per week, with scope for increase, or open to negotiate for business (with fixtures); recently closed; in a busy thoroughfare; bankers and Wholesale houses references. "Chemist" (102/24), Office of this Paper.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

Egypt.—French Representative established in Egypt since 1910, having wide experience and a first-class connection among Chemists and Druggists, is prepared to represent English Manufacturing Chemists and Druggists and makers of Pharmaceutical and Toilet Specialities; high-class references to English and French Houses for which agencies in force. Reply to P.O. Box 1505, Cairo, Egypt.

ITALIAN Chemist, with ten years' experience and large connection with Chemists and Doctors in Italy, desires Agencies for any kind of Chemicals and Pharmaceutical products, Drugs, Hospital equipment, Surgical Instruments, Dressings, etc. Apply Gayetti Giudo, Raffaello Sanzio 21, Milano, Italy.

NOVELTY.—Agents wanted in every town in British Isles for excellent seller; big commission for cash. Apply to 90/16, Office of this Paper.

PARTNERSHIPS.

CAPABLE young business man, totally discharged from military service, would buy active partnership in small Manufacturing concern where good scope for enlarging. Apply 103/35, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

RETAIL.

BIRMINGHAM.—Lady Assistant required (immediately) for progressive business, near the centre of the city; must be a good Dispenser. State salary required and when at liberty. "B. S." (102/190), Office of this Paper.

BIRMINGHAM.—Smart man, capable of taking charge of Buying Department, required immediately. Give full particulars as to age, experience, and salary required in first letter, "T. H. S." (102/191), Office of this Paper.

BIRMINGHAM.—Wanted, a smart lady Assistant as Dispenser; one well up in trade preferred, but a less experienced one not objected to; light, clean, good-class business. Apply Izon, Pharmacist, 86 High Street, Aston, Birmingham.

BIRMINGHAM (AT ONCE).—Unqualified capable Assistant wanted for WHOLESALE and RETAIL; hours easy, no Sunday, no N.H.I.; good prospects for suitable man; good wages. Apply, with fullest particulars first letter, 105/18, Office of this Paper.

BOURNEMOUTH.—Lady Assistant wanted for high-class Pharmacy; outdoors. Please apply, giving fullest particulars, to E. J. Savage, 13 Queen's Road, Bournemouth.

BRISTOL.—Qualified Chemist required (immediately), ineligible, in old-established business; good position offered to suitable gentleman; permanency; easy hours, no Sunday duty. Apply by letter, stating age, experience, and salary required, to Butler & Co., Ltd., 42 Old Market Street, Bristol.

ROADSTAIRS.—A competent Assistant required; ineligible for military service; must be a reliable Dispenser. State age, salary (outdoors), and full particulars, Julian Horrell & Son, Dispensing Chemists, The Pharmacy, Broadstairs.

ILFRACOMBE.—Assistant (unqualified); ineligible; indoors; accustomed to a good-class business, with Dispensing experience and knowledge of Photography. Apply, stating age, salary required, etc., W. Moon, 2 High Street, Ilfracombe.

LEEDS.—Lady Assistant in a good-class Dispensing business; must have had some Counter experience; good salary to a competent Assistant. Murray, 221 Woodhouse Lane, Leeds.

LEEDS.—Assistant required (lady or gentleman). Apply, giving references, to Bedford, Chemist, Hyde Park, Leeds.

LONDON.—Experienced Assistant required (at once). Apply, giving full particulars, to Manager, Allen & Hanburys, Ltd., 7 Vere Street, W.

LONDON (CITY).—Assistant; unqualified; Counter and Dispensing; easy hours, no Sunday duty; ineligible for Army. Apply Vincs & Froom, 16 Aldersgate Street, E.C. 1.

LONDON (CITY).—Unqualified Assistant Required (immediately); comfortable and permanent position; good Dispensing experience essential. "A. S." (102/193), Office of this Paper.

LONDON, S.W.—Young lady Assistant or Improver wanted for good-class business; one used to Counter work preferred. Apply, with full particulars, salary required, etc., to H. S. Durbin, 19 Victoria Road, Surbiton.

LONDON, W.—Assistant wanted; one accustomed to Dispensing preferred. Rouse & Co., Wigmore Street, London, W.

LONDON, W.—Half-time Assistant (ineligible) or lady with shop experience, to assist in first-class Dispensing and making preparations. Apply by letter to 105/13, Office of this Paper.

LONDON, W. 1.—Lady Assistant for Counter; hours 9-6.30 p.m.; 1 o'clock Saturdays. Apply S. F. Goss, Ltd., 460 Oxford Street.

LONDON, W.—Qualified Assistant wanted, male or female, with good experience; state age, height, salary required outdoors, experience, and enclose photo. Also lady, accustomed to putting up Stock. Apply "Cascara" (105/7), Office of this Paper.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

LONDON LOCK HOSPITAL, 283 HARROW ROAD, LONDON, W. 9.—Lady Dispenser, with Hall qualification, required (at once) for three afternoons per week; the work averages two hours per afternoon. Applications, together with copies of three testimonials and stating salary required, to be sent to the Secretary at the above address.

MANCHESTER.—Qualified Manager or Assistant; outdoors; permanency. State age, salary, references, etc., 104/29, Office of this Paper.

NEAR MANCHESTER.—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 97/32, Office of this Paper.

NORTHWICH, CHESHIRE.—Wanted, a qualified Locum (at once) for a fortnight; outdoors; Light Retail and Dispensing; short hours, no Sunday duty. Apply, with full particulars, G. Humphreys, Pharmaceutical Chemist.

SHEFFIELD.—Lady Assistant wanted, with Counter experience, and assist with books; no late or Sunday duties. Please state full particulars, J. Gilbert Jackson, Ltd., Abbeydale Road, Sheffield.

SOUTH COAST.—Capable unqualified Assistant (outdoors) required; ineligible, discharged, or low Army category man; permanency; Dispensing and quick Counter trade. Full particulars to "L." (104/1), Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

STAFFORD.—Competent Dispensing Assistant wanted; ineligible or lady. State age, experience, and salary (photo if possible), Marson & Son, Chemists, Stafford.

SOUTH OF ENGLAND.—Manager wanted; qualified and ineligible; easy hours; comfortable berth, with house and garden; delightful country and neighbourhood. Apply 102/29, Office of this Paper.

SURREY (not an air-raid district).—Young lady Assistant required; Dispensing and Light Retail; high-class business; permanency; apartments found. "Surrey" (102/192), Office of this Paper.

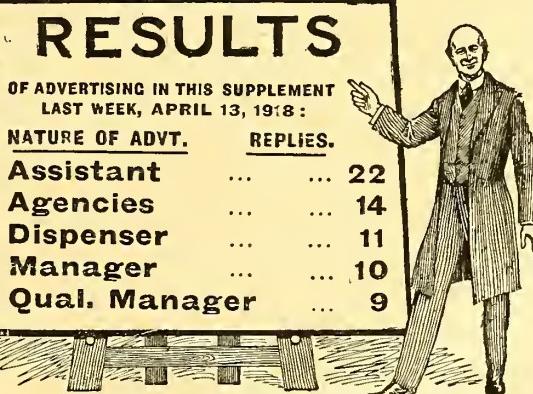
TORQUAY.—Junior Assistant (ineligible) for high-class Retail and Dispensing business; indoors. Apply, stating age and salary required, to H. F. Bourne, 11 Strand, Torquay.

WELSH COAST.—Wanted, qualified Manager for a quiet seaside business; permanency; sole charge; must be well recommended. Apply, with full particulars, to "Western" (106/6), Office of this Paper.

WORCESTER.—Qualified Assistant for Dispensing Counter (lady or gentleman); easy hours, no Sunday duty. Please state full particulars, salary (outdoors), to E. J. Kiteon, City Drug Stores, Worcester.

YORK.—Capable Assistant required (at once). Please write fully, Messrs. Folkard, 13-14 Pavement, York.

RESULTS		
OF ADVERTISING IN THIS SUPPLEMENT LAST WEEK, APRIL 13, 1918:		
NATURE OF ADVT.	REPLIES.	
Assistant	... ... 22	
Agencies	... ... 14	
Dispenser	... ... 11	
Manager	... ... 10	
Qual. Manager	... ... 9	



The above demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

ASISTANT as Dispenser and Counter hand; Window-dresser; can probably secure exemption on account of V.A.D. Hospital Dispensing; hours 8.30 to 7; good-class trade; four girl Assistants kept. State age, salary required, and usual particulars, with references, Francis Hallam, Ltd., Rexall Pharmacy, Burton-on-Trent.

ASSISTANT wanted; Junior; outdoors; two kept; excellent experience to be had in Dispensing and Retail. Apply personally, or by letter, giving particulars, C. Coutts Michie & Co., 175 Kentish Town Road, N.W. 5.

ASSISTANT required for good-class Retail and Dispensing business; ineligible or lady; experienced; outdoors, or over premises; reasonable hours. Selby, Sussex Square, Haywards Heath, Sussex.

ASSISTANT, lady or gentleman, as Locum; qualified for N.H.I. Dispensing and General Chemist's business. Apply, stating references, salary, etc., to Barron, Chemist, 77 High Street, Croydon.

ASSISTANT Dispenser wanted (at once); Hall certificate; no Counter work; willing to attend to various clerical duties when not required at the Dispensing Counter; no previous experience needed; in reply state salary required. Apply 105/11, Office of this Paper.

BRANCH Manager; qualified; ineligible for military service; must be experienced, trustworthy, and good organiser; wages £250 per annum and commission. Apply "Progress" (105/200), Office of this Paper.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, ability in Pharmacy and Dentistry, if any, salary required, when disengaged, references, photo, Foster, "Ivydale," London Road, Portsmouth.

DISPENSER required for Thursdays; hours from 9 till 11.30 a.m., 2 till 5 p.m., 6 till 9 p.m.; salary 12s. per day. Apply, with references (letter only), to "Doctor," 24 Osborn Street, E. 1.

DISPENSER wanted (soon); South London; married man; Army discharged preferred; comfortable house and salary to capable person, whose duties will include some bookkeeping and general care of Surgery. Write or call, 11-12 a.m., 3-4 or 8-9 p.m., 135 Hill Street, Peckham, S.E. 5.

DISPENSING Assistant required for West-End Pharmacy; light hours, no Sunday duty. Apply Lewis & Burrows, 146 Holborn Bars, E.C. 1.

EVENING Assistant (male) wanted on Mondays, Tuesdays, Wednesdays, and Fridays for N.H.I. Dispensing and Counter work. Apply J. Brooks, 8 High Street North, East Ham.

EXPERIENCED Assistant for Counter and Dispensing; must not be liable for military service; up-to-date business knowledge essential; good salary and commission. Apply "Cinchona" (105/2), Office of this Paper.

LADY Assistant wanted; Dispenser; good-class business; South Coast. Apply, with particulars and references, to W. Aston, Pharmaceutical Chemist, 27 Montague Street, Worthing.

LADY or discharged soldier required (immediately) to take part charge; easy berth. Beale, Chemist, Harlesden.

LADY Assistant with Dispensing experience; occasional assistance at Counter. Apply, stating qualification, experience, and salary required, to J. W. Barton, 25 Westow Hill, Upper Norwood.

LOCUM (unqualified) wanted for about a fortnight, to manage a small Drug Store in the North. Apply 105/12, Office of this Paper.

MANAGER; qualified; Branch, London, N.; N.H.I.; £3 10s. salary to good reliable man. Apply "X." (55/15), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME Assistant wanted for evenings. Apply F. R. Barlow, Pharmaceutical Chemist, Loughborough Junction, S.W.

QUALIFIED Manager (ineligible), chiefly for N.H.I. Dispensing and Retail. Give full particulars, stating salary (indoors), Eato, 57 Forest Lane, Stratford.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (102/19), Office of this Paper.

QUALIFIED Assistant required for Dispensing. Full particulars to "W. H. J." Allen & Hanbury, 37 Lombard Street, E.C.

QUALIFIED lady Assistant required for good-class Dispensing business. Apply, with full particulars as to age, experience, and salary required, to A. E. Coverdale, Pharmaceutical Chemist, Worcester.

QUALIFIED Manager (outdoors) required in riverside town for good-class Retail, Dispensing, and Photographic business; must be a good Counterman and Prescriber, and understand the Agricultural side. Apply, with full particulars as to salary and experience, to Holme, Chemist, Wallingford, Berks.

QUALIFIED man required; good salary; no Sunday or evening duty, hours 8.30 to 8 p.m. Please give references, age, and photo if possible, Knowles, Fletcher & Co., Ltd., Belvedere, Kent.

RETAIL Dispenser; lady or ineligible man; hours 8.45 till 6 p.m. Apply, with particulars, to W. H. Drug Department, Junior Army and Navy Stores, 15 Regent Street, S.W. 1.

WANTED (immediately), a lady Dispenser and Assistant, or discharged soldier, with some knowledge of Pharmacy and Dispensing in good-class Retail trade. Kindly state age, salary wanted, experience, and send copies of recent testimonials to Percy S. Richardson, Chemist, Dudley, Warks.

WANTED (immediately), lady Dispenser-Bookkeeper, Doctor's practice, Gravesend; salary by arrangement. Apply Dr. Lawrence, Kenley, Gravesend.

WANTED, qualified Dispenser (lady); part-time; Monday and Tuesday afternoons and evenings, Thursday and Friday afternoons only, salary £60 per annum. Apply, with testimonials, to the Secretary, Tuberculosis Dispensary, 108 Grange Road, Bermondsey.

YOUNG lady wanted to put up and keep Stock, etc. Only experienced person need apply to Guests, Chemists, Tooting Broadway, London, S.W. 17.

WANTED, a qualified Assistant for City Pharmacy; permanency; not over middle age; state salary. Apply 92/24, Office of this Paper.

WANTED, Dispensing Assistant (qualified or unqualified); ineligible for Army; outdoors; permanency; hours 8 to 6. Write, giving fullest details of experience, references, and salary, to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

WANTED, Assistant; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ASSISTANTS required for Warehouse and Wet Counter. Apply personally, or by letter, Stevenson & Howell, 95a Southwark Street, S.E.

COMMISSION TRAVELLER.—Good terms offered by Disinfectant firm to Travellers calling on Hospitals and Institutions. Reply 51/60, Office of this Paper.

DRUG TRADE.—Clerks wanted; discharged soldiers or other ineligible men, or female with knowledge of the trade required at once. Apply by letter, stating age, experience, and salary required, to C. P. W., Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

ENERGETIC man, with experience of Wholesale (small packed), to supervise this side of business and travel; preferably to take up substantial interest. Kindly write "Yorkshire" (103/25), Office of this Paper.

FOREMAN wanted for Packing department; must be good Stockkeeper, and accustomed to dealing with Tablets, Skin Creams, Tooth Pastes, etc.; Midlands. Apply 101/16, Office of this Paper.

LABORATORY Assistant, ineligible for military service, to take charge of Manufacturing department; must be accustomed to working steam plant. Applicants should give full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

LABORATORY Assistant wanted for making Galenicals—and Pharmaceutical preparations; London. Particulars to "Urgento" (106/8), Office of this Paper.

PERFUMERY AND TOILET PREPARATIONS.—Working Foreman with initiative, and competent to take control of Manufacturing and the department generally; permanency and good prospects to suitable applicant. Apply "Alpha" (55/37), Office of this Paper.

SURGICAL Instrument Showroom Assistant (London): must have a thorough knowledge of Surgical Instruments, and be able to attend to post and counter-orders. Address, stating where previously employed and salary required, 101/31, Office of this Paper.

TABLET Maker wanted; experienced or inexperienced; Liverpool. Apply 45/74, Office of this Paper.

TABLET Maker; capable of taking full control of department; London; good wages to suitable and thorough competent man. Apply 55/10, Office of this Paper.

WHOLESALE.—Wanted, Laboratory Assistant; ineligible; experienced in making Galenicals, etc. Apply "W. H." Drug Department, Junior Army and Navy Stores, 15 Regent Street, S.W. 1.

WHOLESALE.—A generally useful man required to execute post orders in Drugs and Patent Medicines. Apply Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

WANTED, Junior Warehouseman, about 16 years of age; one used to Chemicals preferred. Apply "G.," personally or by letter, 9 St. Mary-at-Hill, E.C.

WANTED for Sundries department of London Wholesale House, young lady, to take entire charge; some experience essential. Apply, stating salary required, to 106/7, Office of this Paper.

WORKS Chemist required; one conversant with Soap manufacture and Agricultural and Horticultural preparations. Write, stating full particulars and salary required, 54/41, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

A POST required in London; Hospital or Dispensary preferred; temporary work not objected to; disengaged now; Hall certificate, 1915; excellent testimonials. Reply "W." (101/37), Office of this Paper.

A QUALIFIED Manager, married, 39, 5 ft. 9 $\frac{1}{2}$ in., abstainer and non-smoker, experienced in Retail, Dispensing, Photography, and Shoe trade, desires quiet seaside or country berth; S. or S.W. preferred; ineligible. Apply 91/18, Office of this Paper.

A QUALIFIED lady Dispenser (certificated) desires post; Civil Hospital or Doctor's; if possible quite near undermentioned suburb. Morris, 11 Manor Road, Beckenham.

A Dispenser to Doctor; ten years' experience. Miss Daniel, 4 Dix's Field, Exeter.

A Manager-Assistant or Locum, whole or part time, unqualified, desires change; two years present firm, four years previous one; varied experience; good references; steady, reliable, active, adaptable; over military age. "Drugs," c/o Cahill, Newsagent, 376 Streftord Road, Manchester.

A SSISTANT requires post at once; N.H.I. Dispensing; unqualified; field; £3; temporary or permanent. Apply 104/22, Office of this Paper.

A SSISTANT; mixed country business; age 54; active; all-round experience. Apply 104/21, Office of this Paper.

CITY, West-End, and Hospital experience; temporary or permanent; disengaged; best references; no heavy work; discharged R.A.M.C. "Lychen," 25 Gilmore Road, Lewisham, S.E.

DISPENSER, lady, partly qualified, requires post with Doctor or Chemist; Birmingham district. 395 Kingsbury Road, Erdington.

DISPENSER; 45; Military Hospital or otherwise; Major. "A.," 304 Christchurch Road, Boscombe.

ELDERLY active requires situation; Retail, N.H.I. Dispensing; usual Counter work; short hours; outdoors; thoroughly experienced; five years last situation. "I. D. F." Butterley Hill, Ripley, Derby.

EXPERIENCED Branch Manager; unqualified; whole or part time. Apply 103/39, Office of this Paper.

HOSPITAL Dispenser; Locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

LADY, 20, tall, good Dispensing experience and references, desires post with good-class Chemist; all replies answered. Apply 102/26, Office of this Paper.

LADY Dispenser (Hall) requires post; London. "E. M." 26 Priory Court, N.W. 6.

LADY Dispenser (Hall); post or locum; London; experienced; good testimonials, Institution, Doctor. Apply 104/6, Office of this Paper.

LADY Pharmacist requires Locums or temporary work till August or September, in London. Fenwick, 5 Queensland Avenue, Merton Park, S.W. 19.

LADY Dispenser, aged 30, living near Woodford, 2½ years' experience, good bookkeeper, some Counter experience; desires post with Doctor, Chemist, or Institution; charge of Branch Surgery preferred. Please state hours and salary, "M." (106/2), Office of this Paper.

LOCUM SERVICES.—Mr. E. D. May, M.P.S. (42 years), 111 Upper Grosvenor Road, Tunbridge Wells, is open to book engagements; please state salary.

MANAGER; qualified; active, elderly man; temporary, long or short periods; good references; disengaged 29th inst. Address "Pyro," 7 Vincent Terrace, Islington, N. 1.

MANAGER; qualified; experienced Dispensing, Prescribing, Confiner, Shops, Hospitals, Infirmary; healthy; age 58; active. Apply 106/11, Office of this Paper.

MANCHESTER.—Pharmacist, 24, discharged, desires position; good all-round experience; knowledge of Photography; short hours or part-time; temporary berth not objected to. Apply "H." (104/14), Office of this Paper.

PART-TIME: two or three days weekly; qualified; 45. Pharmacist, 9 Claverton Street, S.W.

PART-TIME Dispenser (Hall); little experience Counter; disengaged evenings. Apply 104/27, Office of this Paper.

QUALIFIED; Manager or Superintendent; 38; exempt; permanent. "Pharmacist," 21 Welch Road, Southsea.

QUALIFIED (25); part-time berth; afternoons 2-5; N.W. district preferred. Jones, 55 Sandringham Road, Golder's Green, N.W. 4.

QUALIFIED, 30, Grade 3, as Senior or Branch Manager. "Iodine," 35 Hamlet Gardens, Hammersmith.

QUALIFIED; as Manager or other responsible position; 44; married; no children; good Dispenser, Prescriber, and Counter; splendid reference; view to succession or interest preferred; not raid area. "Reliable," 4 Eldon Road, Reading.

QUALIFIED Pharmacist seeks position as Branch Manager; experienced; ineligible; disengaged; in or near London. "M.P.S." (105/8), Office of this Paper.

QUALIFIED Branch Manager or Locum; good-class experience; active and reliable (disengaged); salary £5 weekly. Apply Box 104/18, Office of this Paper.

SCOTCHMAN, qualified, 37, desires engagement as Manager; exempted; N.H.I. Dispensing. "Drug," 4 Ancona Road, Harlesden, N.W. 10.

UNREGISTERED Locum; disengaged until May 25th; abstainer; experienced Counterman, etc.; elderly; references. "Prescriber," 19 Chapel Street, Uxbridge.

UNQUALIFIED; 24; Grade III.; all-round experience; Dispensing, Counter, and Photography; disengaged; last engagement four years; state salary offered and hours; provincial. Apply 102/14, Office of this Paper.

WINDOW-DRESSER; single windows or by contract; speciality, windows; artistic; late principal window-dresser for Messrs. A. & F. Pears, Ltd. Apply Finch, 49 Park Walk, Chelsea, S.W. 10.

YOUNG lady, 17½, Senior Camb., desires engagement with Chemist. Nottingham-Newark-Lincoln district preferred. W. Hoard, 8 Ashfordley Road, Melton Mowbray.

YOUNG man, 30, of exceptional business ability, totally discharged from military service, would represent good firm. Apply 103/31, Office of this Paper.

£4 a week.—Gentleman; experienced, reliable, and energetic; South and West England preferred; Locum or permanency; disengaged shortly. Apply 101/38, Office of this Paper.

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EXPERIENCED, assist buyer, lady; Chemicals, Wholesale; similar position, or Secretary; excellent references. Apply 102/39, Office of this Paper.

LABORATORY Manager (qualified) seeks position in or out of London; 27 years' Laboratory experience, 17 years' Manager, Doctors, and heavy; disengaged early May. Apply "F. S." (97/15), Office of this Paper.

MANUFACTURING man, competent and reliable, with exceptional experience, used to control of staffs, outputs, correspondence, mail order, desires permanent post; South England; age 41; final discharge. "F." 15 Thane Villas, London, N. 7.

PERFUMER, expert in Toilet preparations, would like to enter good London house; ineligible. Box 103/24, Office of this Paper.

TRAVELLER or Office, etc.; whole or part time; London and Home Counties preferred; ineligible; well up in all branches; good connection; best of references; moderate salary. Address "Drugs" (105/16), Office of this Paper.

WANTED, position as Assistant Manager or Chief; fine Chemicals, Alkaloids, Pharmaceutical, and Galenicals; excellent references; good organiser; rejected; 38. Apply 97/31, Office of this Paper.

WANTED, situation in Drug Warehouse; many years' experience in the trade; well up in Druggist's Sundries; has had full charge of Patents and forwarding departments; accurate checker, Stockkeeper; London or country; ineligible. Apply 103/28, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNICK, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject)—300 Anglo-Continental Guana Ord., 5s. 4½d. c.d.; 35 Evans Lescher Prefs., 17s. 3d.; 200 Hagemann's Creamerie Prefs., 5s. 10½d.; 200 International Plasmon, 8s. 10½d. c.d.; 215 Lever C Prefs., 20s. 10½d.; 500 Sapon Soap, 4s. 6d.; 50 Tower Tea, 4s. 1½d.; 100 Mellin's 6% Prefs., 13s. 10½d.; 100 Ilford Ord., 15s. 10½d.; 100 6% Prefs., 15s. 10½d.; 200 Magadi Soda, 4s. 3d.; 155 Watford Manufacturing Prefs., 15s. 9d.; 10 Camwal Debs., 16 Prefs. and 59 Ord., bid wanted; 10 Idris A Prefs. at 5s.

Wanted (subject).—Allenbury Prefs.; 200 Wright Layman Prefs., 19s.; 200 Parke's Drug Ordinary, 10s.; 150 Prefs. at 13s. 6d.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

BAYER'S PREPARATIONS FOR SALE.—10 × 1 oz. Sabromin; 3,000 Elarson Tablets; 4,000 Helmitol Tablets; 3,000 Hydrastine HCl Tablets; 2,000 Iodothyron Tablets; 6,000 Novaspirin Tablets; 1,000 Veronal Tablets, 7½ grs.; 1,000 Sodium Veronal Tablets; 2 lb. 12 oz. Bayer's Piperazin Crystals; also 4 lb. 5 oz. Crude Saponin; 6,000 Gehe Tonic Pills (Quinine, Diamine, and Iron) in bottles of 25; 12 bottles Wolff's Clymene Hair Wash (10 oz. size); 59 bottles Wolff's Diamine Hair Wash (10 oz. size); also 280 50-gr. Syphons Dolinda Perfume; 290 100-gramme Syphons Dolinda Perfume. P. Arthur, 8 Montague Road, W. Ealing, W. 8.

500,000 TABLETS; each tablet will make ½ pint solution of efficient and pleasing non-poisonous antiseptic and disinfectant; price 20s. per 1,000 samples on application. H. S. Lovell & Co., Manufacturing Chemists, Baden Place, Crosby Row, London, S.E. 1.

GENUINE Cod-liver Oil (about 10 or 12 barrels); 5 gallon lots, 16s. gallon; 25 gallon barrels, 15s. 6d. gallon; sample free. Morrey, Chemist, Market Drayton.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fitings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, KUDDUCK & CO., 262 Old Street, London, E.O.

DRYING AND GRINDING OF CHEMICALS.—Factory with first-class plant in London, is open to undertake the Drying, Pulverising, and Mixing of Chemicals in any quantities up to 100 tons per week. Write "Z. 1268," care Deacon's, 7 Leadenhall Street, E.C. 3.

PERFUMERS! SHORTAGE OF LABOUR

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14/- per 1,000. 13 9 per 5,000.
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FOR DISPOSAL.

BOOKS AND PERIODICALS.

BOOK BARGAINS.—Potter's "Cyclopaedia of Botanic Drugs," 1s. 6d.; Southall's "Organic Materia Medica" (1887), 1s., (1896), 2s.; Wanklyn's "How to Diagnose Small Pox," 2s.; Oldberg's "Weights and Measures" (1887), 1s. 6d.; Waring's "Bazaar Medicines of India" (1897), 1s. 6d.; Hall's Correlation Theory of Chemical Action," 2s.; Meyer's "Outlines of Theoretical Chemistry" (1892), 1s. 6d.; Boulger's "Uses of Plants," 1s.; Buxton's "Anesthetics," 1s.; Hall-Edwards' "Carbon Dioxide Snow" (1913), 1s. 6d.; Perkin's "Qualitative Chemical Analysis" (1901), 2s.; Brant's "Metallic Alloys," 2s.; Parry's "Risks and Dangers of Various Occupations," 1s. 6d.; Hurst's "Dictionary of Chemicals and Raw Products of Paint Industry," 2s.; Scoresby-Jackson's "Notebook of Materia Medica" (1875), 1s. 6d.; Owen's "Materia Medica" (1886), 1s.; Marshall's "Materia Medica," 4s. 6d.; André's "Vegetable Fats and Oils," 2s.; Bastin's "Laboratory Exercises in Botany," 3s. 6d. Postage extra. Quote List VI. Ross, 131 North Hill, Highgate, N.

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PLUCKNETT'S Dental Engine, with right-handle attachment, for disposal; splendid condition. What offers? Needhams, Chemists, Crosland Moor, Huddersfield.

DRUGS AND CHEMICALS.

BARREL White Petroleum Jelly. What offers? Apply 104/34, Office of this Paper.

4 LB. fine powdered Paradise Seeds; 13s. 6d.; carriage paid. Enness, 91 High Street, Wandsworth, S.W.

1,000 Tablets. Phenacetin gr. 3, Caffein Pur. 3, Quin. Hydrobrom. 3; 32s. Callam, East Dulwich.

CASTOR OIL; cold drawn water white guaranteed, in 2-oz. long blue bottles; 72s. per gross case; cash with order. Simons, 9 West Derby Street, Liverpool.

SUPPOSITORY Mould, 24 B.W. shape; ditto 6, ordinary shape; 15 grains Pessary Mould, 6; all plated; new condition; offers. Swan, 38 Muirfield Crescent, Dundee.

POWD. Cubeb, whole Galls, Ext. Hydrastis, Inga Seed, Rad. Chiretta, Rad. Sarsaparilla, Rad. Belladonna, Dandelion, Stramonium, Mandrake, about 3 lb. each; a bargain. Boyle, Broadway, Belfast.

SAPO dur. p., 1½ lb., 3s. 6d.; Pot. Oxalis Neut., 7 lb., 21s.; P. Galiae, 2 lb., 8s.; P. Jalapæ, 2 lb., 8s.; Cetacum, 7 lb., 13s. 6d.; Potas. Sulphis, 1 lb., 4s. • Butyl. Chloral. Hyd., 2 oz., 22s.; Guaiacol Pur., 2 oz., 20s. Melling, Pharmacist, Conway.

FOR disposal, owing to military service, 2 × 1 lb. tins Saccharin, 550 strength; Saccharin Corporation manufacture; first cheque for £23 accepted for lot, or £12 for 1 lb. tin, c.w.o.; references, London and South-Western Bank, Ltd. Private G. S. Mellor, M.P.S., No. 131932, A Company, R.A.M.C., 38 Albert Road, Blackpool.

RESORCIN, 4 oz., 15s.; Pot. Bromid., 3 lb., 33s.; Sodii Salicyl., 3 lb., 25s.; Acid Salicylic, 2 lb., 14s.; Phenacetin, 8 oz., 18s.; Phenazon, 4 oz., 15s.; Guaiacol Carb., 2 oz., 17s.; Codeine Phosph., 27s. oz.; Tab. Aspirin gr. v., 14s. 1,000; Pot. Iodid., 14s. 6d. lb.; Morph. Hydroch., 18s. oz.; Bismuth Carb., 15s. lb.; B.P. Post free. Forryan, 40 Duncan Road, Leicester.

MISCELLANEOUS.

WHAT offers for five large Apenta Water? Fuge, Chemist, High Wycombe.

SMART Dentures for Show Case; 4s. 6d. to 6s. 6d. each. Fuge, Chemist, High Wycombe.

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I have yours with cheque £3, and enclose receipt herewith. I consider your dealings exceedingly fair, prompt and satisfactory. It will be a pleasure to recommend friends to you.

E.M.E. Co.

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I am in receipt of your letter, for which I thank you. I shall be pleased to accept 10/- for the camera. It is more than I expected to get.

R.H.

Longton.
Many thanks for postal order to hand yesterday. I must say that you have been most courteous and straightforward over this matter. Indeed, I cannot conceive of a firm being more straightforward than yourselves.

H.H.E.

Holloway, N.
I am in receipt of your letter and cheque, value £5, in payment for camera; and I am greatly obliged by the prompt and liberal treatment I have received in the matter.

C.W.

Purfleet.
I am in receipt of your letter of the 31st ult., together with the cheque for £6 10s. enclosed therewith, and for which I am extremely obliged. I should also like to thank you for the promptness and courtesy with which you have handled the transaction.

E.F.

WATSONS', The Camera House, 84 High Street, Sheffield.

Telephone No. 27.

WANTED.

SILENT Salesman, about 3 feet long, to stand on counter. Braid, Exmouth.

FANCY Face Powder Boxes. Samples and prices to Beale, Chemist, Harlesden.

TABLET Machines; rotary or single punch, for power. Apply 101/160, Office of this Paper.

STEARIC ACID wanted; any quantity; state price; immediate cash. Apply 55/34, Office of this Paper.

WANTED immediately, 1 or 2 bottles of Adalin (Bayer's) compressed tablets. Apply 102/22, Office of this Paper.

WANTED, Hand Tablet Machine ("Eureka" preferred), with dies complete. Apply 57/63, Office of this Paper.

FILLING Machine wanted to purchase. Full particulars and price to Chemist, 13A St. Paul's Avenue, Willesden, N.W. 2.

TABLET Stamping Machine, suitable for oblong tablets up to 1½" long, preferred; repair immaterial. Apply 57/7, Office of this Paper.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

SPECTACLE Lenses, gold-filled Spectacle and Eyeglass Frames in any quantity. Particulars and prices to Bishop and Vincent, 460 Holloway Road, N. 7.

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. "Brytenup" Polish Works, Marsh Lane, Preston.

WANTED, Square or Round Tin Boxes, new or second-hand, for powdered colours; size 1 lb. and upwards; good prices given; cash payment. Williams Bros. & Co., Hounslow.

CONSTANT-CURRENT Battery, second-hand, for ionisation; Centrifugal Machine for microscopical purpose; cheap. Taylor, 117 Salehurst Road, Crofton Park, S.E. 4.

REQUIRE addresses of firms willing to make Tablets. Apply 54/38, Office of this Paper.

A TABLET Machine for electric power, capable of making Tablets up to half an inch. Give full particulars to Haywards, Manufacturing Chemists, Walsall.

THE "Veldt" Laboratory, Louth, England, are purchasers of surplus Glycerin in large or small quantities. Offers invited.

CAMERA wanted, with Fast Anastigmat Lens; ¼ plate or P.C. preferred. Also a very small compact Pocket Camera. Conway, 2 Windmill Way, Ruislip, Middlesex.

SPECTACLE Lenses, Glazed Spectacles, any kind; Gold-filled Spectacle and Eye-glass Frames, Artificial Eyes and Barometers. State quantity, condition, price, etc., Hebditch, "Parkholme," Christchurch Road, Doncaster.

WANTED, 500 to 1,000 gross Sticky Fly Catchers. Purchaser requires them for supplying Wholesale Factors. Send samples with printing matter and best cash terms. 57/25, Office of this Paper.

ALYPIN, any quantity; Glycerine for Dispensing; Saccharin Tablets, Government controlled, packed 100's, 200's, and 500's, 5 gross of each, bottles, or less quantity; Mineral Oil, suitable for B.P. liniments, 10 gallons or less; Tablet Bottles or Containers, suitable for sacch. tab., 100's and 250's, 10 gross or any quantity; Kodaks, Grafex, Anastig. lenses, all kinds; cash against *pro forma* invoice. R. Evan Walker, Chemist, Coventry.

8/6

Jay Mack's Ledger3
Years4
Columns

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gives yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.

10/6

4
Years5
Columns

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Border Drug,
Gardners.**WAR WANTS EXCHANGE.**

For the terms upon which announcements are inserted herein see Supplement for December 8, p. xlvi.

WANTED.

Glucose (102/27)

Pot. permang. (103/30)

FOR DISPOSAL.

Caustic potas. sticks, 1 lb. Quinine sulph., 100-oz. tins (103/300)

Phenazone, 3 lb. (103/300) Soda, iodide, 8 oz. (103/300)

Pot. iodide, 7 lb. or 14 lb. (103/300)

Developing Printing Enlarging

PRICES FREE.

PROMPTNESS.

Wanted—all kinds of Folding Cameras, plate or film. Cash on receipt.

MARTIN, Chemist, SOUTHAMPTON.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
8 and 4 ounces. 12 ounces. 6 and 8 ounces.

WHITE PHIALS, plain or teaspoons.
1 ounce. 1½ ounces.

Lowest Market Prices Charged.

BLUE LOTION BOTTLES, all sizes.

GORKS. Superior Quality. No advance in price.

6 and 8 ounces 1s. per gross, in 6 gross bags.

Vials 10d. per gross, in 3 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

I. ISAACS & CO., Glass Bottle Manufacturers,

106 Midland Road, St. Pancras, London, N.W. 1,
or ISLINGTON BOTTLE COMPANY,

1 New Inn Yard, Tottenham Court Road, London, W. 1.

Orders sent to either establishment have attention.

Established 100 Years.

Bankers: London County and Westminster Bank, Bloomsbury Branch.

SACCHARINE TABLETS

Full Strength, ½ gr., 330 in 1.

Per lb. - 120/-

5,000 @ 17/3 10,000 @ 17/1

SPECIAL PRICE FOR QUANTITY.

Cash with Order. Carriage Paid.

R. GIBBINS & CO. Wholesale Tablet Manufacturers,
1 Birkbeck Road, Kingsland, London, E. 8.

**ALL CHEMISTS
SHOULD STOCK**

ABDINE

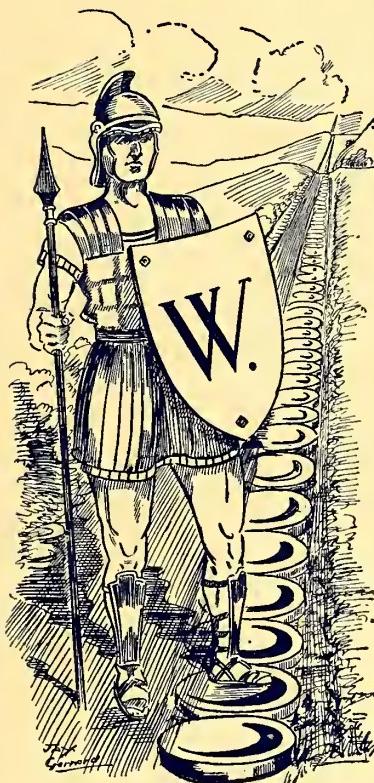
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Quick Seller. Big Profits. Over 40 Years' Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1d. each; Boxes of 13 Packets, 1s. & Wholesales Prices on application. Sample Box 1/6.

D. MCGLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

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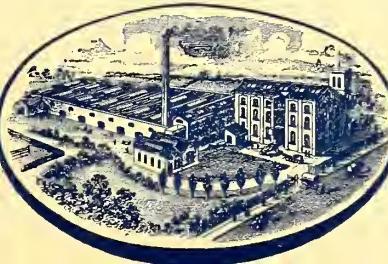
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They back their specialities with live window advertising, and move the goods rapidly. Attractive show outers, hand-painted showcards and window bills, printed cards, etc., make Wigglesworth Specialities phenomenally quick sellers. Window dressing with these helps is a pleasure.

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are enthusiastic supporters of the Wigglesworth
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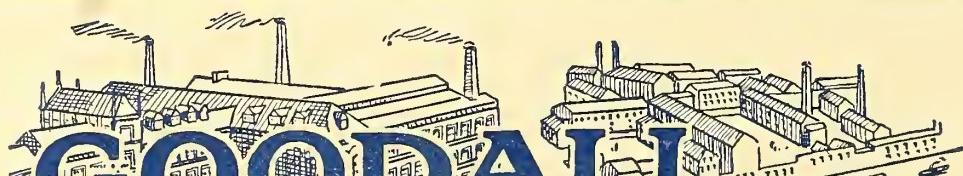
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